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# Abbreviated Reviews of 100 Models, Simulations, and Games for Domestic Preparedness Training and Exercising

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## DESCRIPTION

The demand for domestic preparedness training and exercising (T&E) far exceeds the current delivery capacity. Delivery has traditionally taken place in classroom settings or with human-adjudicated exercises. Although this face-to-face approach using experienced instructors and facilitators is effective, it cannot meet today's needs.

The Department of Homeland Security's Office for Domestic Preparedness (ODP) contracted with ThoughtLink, Inc. to evaluate the utility and applicability of models, simulations and games (MS&G) in support of domestic preparedness T&E. The report, titled *Review of Models, Simulations, and Games for Domestic Preparedness Training and Exercising Volume III*, was delivered to ODP in March of 2004. It describes ThoughtLink's research methodology along with data, conclusions, and full-length versions of the 100 product reviews.

This document is a summary reference of the 100 MS&G reviewed in Volume III. What follows are one-page summaries of the products (presented in alphabetical order) containing information such as brief product descriptions, the primary target audience, and advantageous MS&G features. Please see the glossary for definitions of attributes and terms used.

## Table of Contents

Abbottville Tabletop Simulation .....	1
ADASHI First Response Automated Decision Aid System for Hazardous Incidents.....	2
ADASHI Professional Automated Decision Aid System for Hazardous Incidents (ADPR).....	3
Advanced Disaster Management System – ADMS-1 .....	4
Advanced Disaster Management System – ADMS-Team .....	5
Advanced Disaster Management System – ADMS-VR .....	6
Angel Five .....	7
Areal Locations of Hazardous Atmospheres (ALOHA) .....	8
Automated Exercise and Assessment System (AEAS).....	9
Biological Weapons Response Template (BWRT) .....	10
BioSimMER (BSMR) .....	11
Bridgeworks.....	12
Bt CREATE .....	13
Chemical Agent Monitor Simulator (CAMSIM).....	14
Chemical Biological Response Aid (CoBRA) .....	15
The Citizen’s SMART Book .....	16
Civil Emergency Reaction and Responder Training System (CERRTS) .....	17
Competency Observation Recording & Evaluation (CORE).....	18
Computer-Aided Management of Emergency Operations (CAMEO) .....	19
Computer Assisted Protective Action Recommendation System (CAPARS) .....	20
Consequence Assessment Tool Set with Joint Assessment of Catastrophic Events (CATS-JACE).....	21
Core Training & Exercise System (CT&ES) .....	22
Crises Management System Modeling Analysis Package (CMS MAP) .....	23
CRISIS .....	24
Crisis/Consequence Management Simulation (UCMS).....	25
Decision Making Skills for Public Officials During a Hazardous Material Incident .....	26
Disaster Response Board Game.....	27
Eagle Defender (EGLD).....	28
EM/2000 .....	29

Emergency Fighters for Life.....	30
Emergency Preparedness Incident Command Simulation (EPICS) .....	31
Emergency Response Synchronization Matrix (ERSM).....	32
Emergency Response to Terrorism: Basic Concepts (ERT:BC) .....	33
Emergency Simulation Program (ESP).....	34
Employee Awareness Video.....	35
EMS Simulator .....	36
ERoom.....	37
E Team (ETM).....	38
FEMIS and EM <i>Advantage</i> .....	39
Fire Studio (FS2).....	40
First Responders Situational Awareness Tool (FiRST) .....	41
FORT (Force Protection Operational Requirements Testbed).....	42
Full Spectrum Command.....	43
Gaming and Multimedia Applications for Environmental Crisis Management Training (GAMMA-EC).....	44
Groove (GRV) .....	45
Guard Force (GF).....	46
Guardian Suite .....	47
Hazard Prediction and Assessment Capability (HPAC) .....	48
Homeland Security Response Action Model (HLS-RAM).....	49
Human Patient Simulator .....	50
Hybrid Particle and Concentration Transport Model (HYPACT).....	51
JANUS .....	52
Joint Conflict and Tactical Simulation (JCATS).....	53
Joint Integrated Database Preparation System (JIDPS) .....	54
Joint Theater Level Simulation (JTLS).....	55
Various Products from Lifeline Videos (LLV) .....	56
MARPLOT .....	57
Mass Casualty Medical Training and Evaluation Services (MMTE).....	58
Meteorological Information and Dispersion Assessment System–Anti-Terrorism (MIDAS-AT) .....	59
MIND .....	60

Minerva (MINV).....	61
Multi-Layer Decision Simulation – School Violence (MLADS).....	62
National Security Network (NSN).....	63
NBC CTS 2000 .....	64
OpsCenter (OPSC).....	65
Planning Alternatives for Interdicting National Terrorism (PAINT) .....	66
Pollution Incident Simulation, Control, and Evaluation System (PISCES).....	67
Post-Engagement Ground Effects Model (PEGEM) .....	68
Post Incident Review for Emergency Command Training (PIRFECT).....	69
PowerSTRIPES.....	70
Quick Urban and Industrial Complex (QUIC) Dispersion Modeling System .....	71
Tom Clancy’s Rainbow Six.....	72
RAMSAFE .....	73
Regional Atmospheric Modeling System (RAMS) .....	74
Response Information Folder System (RIFS) .....	75
RestOps SRC .....	76
S3 Exercise (S3).....	77
San Luis Rey (SLR) .....	78
Scenarios.....	79
ScribeVision Technologies.....	80
SEAS/Homeland Security Simulation .....	81
Security and Emergency Response Information System (SERIS) .....	82
SIMfX Interactive Training Simulations.....	83
SimViz/3400ICS–Custom .....	84
SimViz/3400ICS–Standard .....	85
SimViz/3400ICS–Tailored .....	86
Site Profiler Assessor .....	87
SoftRisk SQL (SOFR).....	88
SPECTRUM .....	89
STAT Care (STC).....	90
Tennessee Emergency Management Weapons of Mass Destruction Computer Based Training CD-ROMS (TEMA).....	91
TUTOR.....	92

Vigilent.....	93
Virtual Cities (VCIT) .....	94
Virtual Clinic .....	95
Virtual Emergency Response Training Simulation (VERTS).....	96
Virtual Terrorism Response Academy (VTRA).....	97
Weapons of Mass Destruction Decision Analysis Center (WMD-DAC) .....	98
Web EOC Standard (WEOC) .....	99
WMD Basic Awareness Training Interactive CD .....	100
WorldReach .....	101
Xybernaut Mobile Solutions.....	102
Glossary.....	103
Abbreviations and Acronyms.....	109

<b>Product Name:</b> Abbottville Tabletop Simulation	
<b>Company:</b> Command School 117 South West End Ave. Lancaster, PA 17603 <b>Web Site:</b> <a href="http://www.commandschool.com">www.commandschool.com</a>	<b>Contact Information:</b> Scott Porman 866-238-6688 scott@commandschool.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Multi-Agency Participation <b>Application Area:</b> Exercise	<b>Training Type It Supports:</b> Part-Task Training, Pre-Training, Tabletops, FSE Reinforcement <b>Functional Area(s) It Supports:</b> EMS, EMA, Fire, Government Administration, HazMat, Law Enforcement, Public Health, Healthcare, Public Safety Communications and Public Works <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, and Federal Officials
<p><b>Product Description:</b> Abbottville Tabletop Simulation is a 3-D physical model of a generic city consisting of over 400 buildings ranging from suburban, rural, industrial, urban, to high-rise buildings or special hazards with simulated sound effects. The tabletop is led by an instructor or facilitator from the Command School. The model is used to support TTX that can be adapted for the needs of local officials.</p> <p>There are three main versions available: a city diorama, a mall diorama (12' x 9' mall and surrounding strip mall), and an Emergency Operations Center (EOC) using an Incident Command System (ICS) and stations for each area of ICS/EOC. Aspects that can be used in the model include airports, chemical companies, a zoo, a high school, and a carnival. Real fire and smoke can be used, emergency equipment is dispatched and simulated via the use of scale model apparatus, police cars and ambulances are positioned on the board. Emergency personnel are identified by wearing vests. The instructor controls background sounds of fire, sirens, and wind and portrays people (e.g., agitated victims), all of which set the scene.</p> <p>Actual incidents are used as the basis for 85 percent of the scenarios. Scenarios include personal injury accidents, structural fires, chemical releases, terrorist acts, tornados, earthquakes, floods, and airplane and train accidents. Scenarios can run as short as 40 minutes and as long as 8 hours.</p> <p><b>Advantageous MS&amp;G Features:</b> Active User Decision Making; Simulation Support; Enhanced Communication T&amp;E; Pre-Training</p>	
<b>Version:</b> N/A – versions are referred by title and diorama type <b>Date Evaluated:</b> February 25, 2003	



<b>Product Name:</b> ADASHI First Response Automated Decision Aid System for Hazardous Incidents (ADFR)	
<b>Company:</b> Optimetrics, Inc. 2107 Laurel Bush Rd., Suite 209 Bel Air, MD 21015 <b>Web site:</b> www.ADASHI.org	<b>Contact Info:</b> Alex M. Menkes, Program Manager Optimetrics, Inc. 2107 Laurel Bush Rd, Suite 209 Bel Air, MD 21015 <a href="mailto:amenkes@ADASHI.org">amenkes@ADASHI.org</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Environment:</b> Exercise, Operational, Analysis	<b>Training Type it Supports:</b> <i>Possibly</i> Awareness, Part-Task Training, Pre-Training, TTX, FE <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administrator, HazMat, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials
<b>Product Description:</b> ADASHI First Response is a stand-alone, off-the-shelf HAZMAT and terrorism incident public safety decision aid for first responders. The program is founded on well-known tools such as CAMEO and ERG 2000 and includes a sophisticated interface design to allow manual-free and training-free operations during life-threatening hazardous incidents. The software provides emergency responders, decision makers, and support personnel with a user-friendly, intelligent PC-based tool to plan, mitigate, and track both large scale and daily hazardous incidents. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 1.0 <b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> ADASHI Professional Automated Decision Aid System for Hazardous Incidents (ADPR)	
<b>Company:</b> Optimetrics, Inc. 2107 Laurel Bush Rd., Suite 209 Bel Air, MD 21015 <b>Web site:</b> www.ADASHI.org	<b>Contact Info:</b> Alex M. Menkes, Program Manager Optimetrics, Inc. 2107 Laurel Bush Rd, Suite 209 Bel Air, MD 21015 amenkes@ADASHI.org
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Training, Exercise, Operational, Analysis	<b>Training Type it Supports:</b> Awareness, Part-Task, Drills, TTX, FE, FSE, and Distributed Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, HazMat, Public Safety Communication <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> <p>The Automated Decision Aid System for Hazardous Incidents (ADASHI) product line provides civil authorities responding to chemical, biological, radiological, nuclear, or explosive (CBRNE) events with an "over the shoulder" decision-support system to assist incident commanders in making better, timelier decisions by rapidly processing the multivariate input data and providing critical information in high-stress environments.</p> <p>ADASHI effectively integrates the specific technical functions required to mitigate both an everyday HAZMAT incident and an infrequent WMD event. The product features include hazardous agent identification, source analysis, physical protection of responders, decontamination, medical treatment, casualty care, resource and equipment monitoring/tracking, multi-tier communication, scenario-based planning and training, and EOC command and control displays.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Remote Observation; Enhanced Communication T&amp;E; Part-Task Training</p>	
<b>Version:</b> Under development <b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> Advanced Disaster Management System—ADMS-1	
<b>Company:</b> Environmental Tectonics Corporation (ETC) 12001 Science Drive, Suite 180 Orlando, FL 32826 <b>Web site:</b> <a href="http://www.adms.info">www.adms.info</a>	<b>Contact Info:</b> Mr. Shabbir Merchant, President, Simulation Division (407) 282-3378 <a href="mailto:info@etcflorida.com">info@etcflorida.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Pre-Training, Part-Task Training, Drills, FSE, FSE Reinforcement, Functional Exercise <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> <p>DMS-1 is a “real-time virtual reality engine” that addresses operational planning and incident response and management from the on-scene responder to the incident commander to the local city or county EOC, up to state and national level Command and Control Centers. It is the portable, “train the trainer” version of the ADMS suite of products. This tool can be used for training and exercising of first responders to make decisions based on scene information and multi-agency communications, and for command personnel to exercise their management functions. Its configurations allow users to mirror their current operation set-up (e.g., communication capabilities) to evaluate adequateness of plans and response. It can be tailored to the user’s geospecific environment to increase fidelity of response. In addition it contains performance data recording and AAR capabilities.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&amp;E; Part-Task Training; Pre-Training</p>	
<b>Version:</b> ADMS-1 <b>Date evaluated:</b> 11/10/03	

<b>Product Name:</b> Advanced Disaster Management System—ADMS-Team	
<b>Company:</b> Environmental Tectonics Corporation (ETC) 12001 Science Drive, Suite 180 Orlando, FL 32826 <b>Web site:</b> <a href="http://www.adms.info">www.adms.info</a>	<b>Contact Info:</b> Mr. Shabbir Merchant, President, Simulation Division (407) 282-3378 <a href="mailto:info@etcflorida.com">info@etcflorida.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> Operational planning and personnel training and exercising in all areas of incident response from the on-scene responder to the incident commander to the local city or county EOC, up to state and national level Command and Control Centers. ADMS Team provides a reality-based virtual environment with simulation of numerous real training facilities. It simulates vehicular traffic accidents, small fires, explosions, large-scale disasters such as incidents involving chemical agents, or wind-driven fire. The tool allows teams of teams to interact, communicate, share information, and manage resources and incident scenes in real time (time can also be accelerated). All actions and communications are captured from different points of view and can be replayed for post-incident review. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&E; Distributed/Collaborative Decision Making Environment; Part-Task Training; Pre-Training	
<b>Version:</b> ADMS Team <b>Date evaluated:</b> 11/10/03	

<b>Product Name:</b> Advanced Disaster Management System—ADMS-VR	
<b>Company:</b> Environmental Tectonics Corporation (ETC) 12001 Science Drive, Suite 180 Orlando, FL 32826 <b>Web site:</b> <a href="http://www.adms.info">www.adms.info</a>	<b>Contact Info:</b> Mr. Shabbir Merchant, President, Simulation Division (407) 282-3378 <a href="mailto:info@etcflorida.com">info@etcflorida.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, Drills, FE, FSE, FSE Reinforcement <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> Tool for operational planning and personnel training and exercising in all areas of incident response from the on-scene responder to the incident commander to the local city or county EOC, up to state and national level Command and Control Centers. It is marketed as having the following trainer capabilities: Incident Management, Emergency Vehicle Driver Trainer, Terrorism Mitigation Trainer, Disaster Exercise (Mock Drills), and Command Staff Proficiency and Evaluation. It is a fully featured and modular system that is not platform specific, and it is designed to immerse the user in a 180-degree screen of a scene (user can see any part of the scene and hear scene operations as well as communicate with players off scene). <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&E; Part-Task Training; Pre-Training	
<b>Version:</b> ADMS VR <b>Date evaluated:</b> 11/10/03	

<b>Product Name:</b> Angel Five	
<b>Company:</b> Visual Purple, LLC Mr. John W. Jarrett Vice President, Product Development Visual Purple, LLC 805-595-7579 x116 jjarrett@visualpurple.com <b>Web Site:</b> <a href="http://www.visualpurple.com">www.visualpurple.com</a>	<b>Contact Information:</b> At this time, not available for use outside the FBI. Walt Mesler, Contracts Office 703-814-4900
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Self-Guided Training) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual and Group <b>Application Area:</b> Training	<b>Training Type It Supports:</b> Pre-Training, Drills, and TTX <b>Functional Area(s) It Supports:</b> Law Enforcement <b>Primary Target Audience:</b> Federal Officials
<p><b>Product Description:</b> Angel Five is a PC-based crisis management training and response tool that can be used as an individual trainer and in a TTX forum. The purpose of the product is to teach FBI Special Agents In Charge and Assistant Special Agents in Charge how to manage the FBI response to a WMD radiological event. It is a third-person interactive role-playing simulation; the user role plays a Special Agent In Charge in a Midwestern city. The story develops based on a) user decisions and b) 158 parameters chosen randomly in each new simulation execution.</p> <p>The simulation appears as a series of video clips, showing the current situation, followed by a decision point for the user, with 3-9 possible choices given. The user picks one, which then determines the next set of video clips to show and in turn, the next set of possible actions/decisions. This is a multi-path, interactive video simulation using live actors and on-location, Hollywood-style filming techniques. Environments are either actual locations (FBI offices) or faithful representations of the same. Interactions are realistic and based on current procedures and protocols.</p> <p>Angel Five contains video surveillance, an Intelligence Summary Board, and other typical FBI crisis management aids. The user can access simulated communication modes like FAX and email; their use is integrated into decision making. A large reference library is incorporated into the product.</p> <p><b>Advantageous MS&amp;G Features:</b> Active User Decision Making; Simulation Support; Pre-Training</p>	
<b>Version:</b> N/A	
<b>Date Evaluated:</b> February 25, 2003	

<b>Product Name:</b> Areal Locations of Hazardous Atmospheres (ALOHA)	
<b>Company:</b> National Oceanographic and Atmospheric Administration; Environmental Protection Agency  <b>Web site:</b> <a href="http://www.epa.gov/ceppo/cameo/aloha.htm">http://www.epa.gov/ceppo/cameo/aloha.htm</a>	<b>Contact Info:</b> EPA regional office: <a href="http://www.epa.gov/ceppo/cameo/regcont.htm">http://www.epa.gov/ceppo/cameo/regcont.htm</a>  NOAA: 206-526-6317
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model)  <b>Commercial or Government Owned:</b> GO  <b>Media Scale:</b> Individual, Group  <b>Application Environment:</b> Training, Exercise, Operational, Analysis	<b>Training Type it Supports:</b> Drills, TTX, FE, FSE, FSE Reinforcement, National Training Exercise  <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Law Enforcement  <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials
<b>Product Description:</b> ALOHA is a computer program that uses information the user provides, along with physical property data from its chemical library, to predict how a hazardous gas cloud might disperse in the atmosphere after an accidental chemical release. It can predict rates of chemical release from broken gas pipes, leaking tanks, and evaporating puddles, and it can model the dispersion of both neutrally buoyant and heavier-than-air gases. ALOHA is intended for use during hazardous chemical emergencies, as well as for planning, training, and exercising. Scenarios can be entered into ALOHA, representing actual situation parameters, or parameters of a hypothetical situation, to support planning, training, exercising or analysis investigation. It can display a "footprint" plot (i.e., plume) of the area downwind of a release where concentrations may exceed a user-set threshold level, as well as other plots of source strength (release rate), concentration, and dose over time; and a text summary.  <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 5.2.3  <b>Date evaluated:</b> December 2003	

<b>Product Name:</b> Automated Exercise and Assessment System (AEAS)	
<b>Company:</b> Science Applications International Corporation (SAIC)  <b>Web site:</b> None	<b>Contact Info:</b> Richard Solomon 1209 Science Dr. Orlando, FL 32826-3248 solomonri@saic.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, TTX, FE, FSE, FSE Reinforcement <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials
<b>Product Description:</b>	
<p>Constructive simulation (war game) that exercises emergency response decision makers in scenarios involving the use of WMD. It provides an interactive decision making environment for responders at the incident scene and EOC. It allows training/exercising of the ICS and is customizable to reflect the community's tasks, operations (e.g., radio communications), and standards. Their actual response capabilities (e.g., resources) are used in the simulation and in automatically generated AAR.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&amp;E; Part-Task Training; Pre-Training</p>	
<b>Version:</b> 1.0, March 31, 2003 <b>Date evaluated:</b> August 26, 2003	



<b>Product Name:</b> Biological Weapons Response Template (BWRT)	
<b>Company:</b> U.S. Army Soldier and Biological Chemical Command (SBCCOM) Gregg Mrozinski 410-436-2963  <b>Web site:</b> <a href="http://www.sbccom.army.mil">http://www.sbccom.army.mil</a> <a href="http://www.ramsafe.com">www.ramsafe.com</a>	<b>Contact Info:</b> RAMSAFE Technologies, Inc 3225 Shallowford Rd., Ste. 700 Marietta, GA 30062 800-477-8778 770-977-7233 <a href="mailto:info@ramsafe.com">info@ramsafe.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Static Media (Document) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Group, Multi-Agency Participation <b>Application Environment:</b> Operational, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training <b>Functional Area(s) it Supports:</b> EMA, Government Administrator, Health Care, Public Health, and Private Sector <b>Primary Target Audience:</b> Local Officials, State Officials, and Federal Officials
<b>Product Description:</b> <p>The biological weapons response template (BWRT) is a decision tree in paper format developed by SBCCOM so that communities can evaluate their preparedness for a bioterrorism incident. The BWRT lists the response elements needed to respond to a biological attack. There are detailed response activities associated with each element of the template, formatted as worksheets that can be used by a community to develop their response plan.</p> <p>An automated version of BWRT is owned exclusively by RAMSAFE Technologies and is used as a component of their information management software designed for emergency managers. RAMSAFE calls it the bioterrorism response template and uses it to predict casualties and response/resource requirements for an incident.</p> <p><b>Advantageous MS&amp;G Features:</b> Part-Task Training; Pre-Training</p>	
<b>Version:</b> N/A <b>Date evaluated:</b> August 29, 2003	

<b>Product Name:</b> BioSimMER (BSMR)	
<b>Company:</b> Sandia National Laboratories Mathematics and Computer Science Dept. 212 Williams Hall Ithaca College Ithaca, NY 14850 <b>Web site:</b> none	<b>Contact Info:</b> Sharon Stansfield 607-274-3630 Fax 607-274-1588 sstansfield@ithaca.edu
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training <b>Functional Area(s) it Supports:</b> EMS, Health Care <b>Primary Target Audience:</b> First responders
<b>Product Description:</b> Fully immersive virtual reality platform for training/exercising first responders in treating victims of a bioterrorism attack. The virtual patient is a dynamic, interactive simulation that presents clinical symptoms of the modeled injury and whose state changes realistically over time both spontaneously (due to injury) and in response to user actions, thus providing real-time feedback. It supports the manipulation of virtual objects, allowing users to act upon their environment. It features a voice recognition component, allowing the user to request information such as vital signs and to command certain actions (e.g., exposing the patient). The system has a recording capability that stores high-level actions along with a time stamp. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Hospital T&E; Part-Task Training; Pre-Training	
<b>Version:</b> Prototype, not yet in use <b>Date evaluated:</b> August 14, 2003	

<b>Product Name:</b> Bridgeworks	
<b>Company:</b> Bridgeborn LLC 3113 Pacific Avenue Virginia Beach, VA 23451 <b>Web site:</b> www.bridgeborn.com	<b>Contact Info:</b> Tim Ambrosino (CEO) Bridgeborn LLC Phone: (757) 437-5000 Fax: (757) 422-3439 <a href="mailto:info@bridgeborn.com">info@bridgeborn.com</a> <a href="mailto:tambrosino@bridgeborn.com">tambrosino@bridgeborn.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Equipment Training, Part-Task Training, Pre-Training <b>Functional Area(s) it Supports:</b> EMS, EMA, Health Care, HazMat, Law Enforcement, Public Works <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> Bridgeborn has developed a proprietary, patented-pending software technology—Bridgeworks—for the design, development and implementation of interactive, 3-D, Web-based environments. Bridgeborn uses this technology to create visualizations of products, complex processes, and systems as well as visualizations of abstract data. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Part-Task Training; Pre-Training	
<b>Version:</b> N/A <b>Date evaluated:</b> December 17, 2003	

<b>Product Name:</b> Bt CREATE	
<b>Company:</b> National Association of County and City Health Officials 1100 17 <sup>th</sup> St. N.W., 2 <sup>nd</sup> Floor Washington, DC 20036 <b>Web site:</b> <a href="http://www.naccho.org/prod140.cfm">http://www.naccho.org/prod140.cfm</a>	<b>Contact Info:</b>  Tel.: 202-783-5550 FAX: 202-783-1583
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Planning/Presentation Tool)  <b>Commercial or Government Owned:</b> CO  <b>Media Scale:</b> Individual  <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Awareness, Pre-Training, TTX, FSE Reinforcement  <b>Functional Area(s) it Supports:</b> EMS, EMA, Health Care, Public Health  <b>Primary Target Audience:</b> Commanders, Local Officials
<b>Product Description:</b> <p>Bt CREATE is a tool for developing TTX scenarios. It is an interactive CD-ROM-based application intended to educate, inform, and assist emergency response communities as they prepare for and respond to bioterrorism, other outbreaks of infectious disease, and other public health threats and emergencies. The content of Bt CREATE is primarily directed toward assisting the user in developing a TTX scenario using a biological agent. The application contains presenter materials for three biological agents that could be used as weapons: botulism (Botulinum toxin), plague (Yersinia pestis), and smallpox (Orthopox virus, Variola). These materials consist of fact sheets, guidance documents, and Journal of the American Medical Association (JAMA) consensus statements describing the agents, transmission, symptoms, prevention measures, treatments etc.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Hospital T&amp;E; Pre-Training</p>	
<b>Version:</b> 1.0 (2003) <b>Date evaluated:</b> 10/17/2003	

<b>Product Name:</b> Chemical Agent Monitor Simulator (CAMSIM)	
<b>Company:</b> Argon Electronics Unit 16 Ribocon Way Progress Business Park Luton Bedfordshire LU4 9UR U.K.  <b>Web site:</b> <a href="http://www.argonelectronics.com">http://www.argonelectronics.com</a>	<b>Contact Info:</b> Steven Pike 011 44 1582 491616 <a href="mailto:sales@argonelectronics.com">sales@argonelectronics.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Equipment Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Equipment Training, Part-Task Training, Drills, FSE, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, Fire, Health Care, HazMat, Law Enforcement, Transportation <b>Primary Target Audience:</b> First Responders, Commanders
<p><b>Product Description:</b> CAMSIM is an individual student training device that simulates the Chemical Agent Monitor (CAM) operational equipment (a hand-held instrument capable of detecting nerve or blister agents or liquid agent contamination), and its behavior. It enables training in detection and response to chemical and HAZMAT substances, including indoors and outdoors, without the need to use hazardous material (ultrasound and magnetic technologies are used). It simulates vapor and contamination hazards for nerve and blister agents, including the effects of wind direction. The system can simulate contamination and decontamination of vehicles, cargo, luggage, ground areas, aircraft, ships and people. This technology can also simulate other CW agents, toxic industrial substances, and radiological and biological hazards. The system simulates partial and full decontamination and persistency. The technology can be adapted to simulate virtually any hazardous material detector.</p> <p>The CAMSIM system is used to teach the correct use of WMD detection and identification equipment. It has the ability to monitor students' use of the CAM instrument and report any procedural errors. It also has provision for recording user errors and supporting the AAR. Although training curricula are not provided with CAMSIM, this device has been widely used in the U.S.; curricula are available at user agencies (e.g., U.S. Army SBCCOM have developed a CD-ROM-based guide).</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Part-Task Training</p>	
<b>Version:</b> Various (e.g., CAMSIM 2; CAMSIM PLUS) <b>Date evaluated:</b> December 2003	

<b>Product Name:</b> Chemical Biological Response Aid (CoBRA)	
<b>Company:</b> The Defense Group Inc. 2034 Eisenhower Avenue, Suite 115 Alexandria, VA 22314 <b>Web site:</b> <a href="http://www.cobraguides.com">http://www.cobraguides.com</a>	<b>Contact Info:</b> Brad Gardner, VP CoBRA Division Tel.: 703-535-8720 Email: <a href="mailto:brad.gardner@defensegpc.com">brad.gardner@defensegpc.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> Commercial <b>Media Scale:</b> Individual, Small and Large Multi-user Teams, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Operational	<b>Training Type it Supports:</b> Equipment Training, Awareness, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Health Care, HazMat, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> CoBRA® is an operational tool for emergency incident planning and response. It combines reference materials, checklists, and reporting mechanisms into a single software package. The software is intended for installation on individual PCs (laptops, desktops, or handhelds). Individual PCs can, however, be networked to allow CoBRA® data to be transmitted from on-scene users to higher levels in the Incident Command System structure. The latest version includes a Master Scenario Events List capability that can be used to drive exercises. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Remote Observation; Hospital T&E; Pre-Training	
<b>Version:</b> 2.0 <b>Date evaluated:</b> October 15, 2003	

<b>Product Name:</b> The Citizen's SMART Book	
<b>Company:</b> American Book Publishing P.O. Box 65624 Salt Lake City, UT 84165 Phone: 1-800-296-1248 <b>Web site:</b> www.american-book.com	<b>Contact Info:</b> Steve Gamache <a href="mailto:Low.tec@verizon.net">Low.tec@verizon.net</a> Home (760) 256-1759 Cell (760) 900-4435 Office (760) 380-5313 www.citizenseries.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Static Media (Document) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Environment:</b> Operational	<b>Training Type it Supports:</b> Pre-Training <b>Functional Area(s) it Supports:</b> Public Health, Private Sector <b>Primary Target Audience:</b> <i>Possibly</i> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> The focus of this book is to distribute information the authors feel every American citizen should know about terrorism and terrorist threats. This includes addressing the threat of terrorism faced by the average American, how to avoid an attack, and what to do if caught in an attack. The information and the avoidance/protective procedures are presented at a basic but realistic level. <b>Advantageous MS&amp;G Features:</b> Pre-Training	
<b>Version:</b> N/A <b>Date evaluated:</b> December 18, 2003	

<b>Product Name:</b> Civil Emergency Reaction and Responder Training System (CERRTS)	
<b>Company:</b> Raytheon Company 621 Six Flags Drive, Suite 100 Arlington, TX 76011  <b>Web site:</b> <a href="http://www.raytheon.com">http://www.raytheon.com</a>	<b>Contact Info:</b> Kenneth R. Woodall Business Development Network Centric Systems 817-619-9465 Fax 817-619-9410 Kenneth_R_Woodall@Raytheon.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Exercising	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, National Training Exercise <b>Functional Area(s) it Supports:</b> Commanders, Local Officials, State Officials, Federal Officials <b>Primary Target Audience:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Works
<b>Product Description:</b> Computer-driven, emergency response and crisis rehearsal tool for training and exercising incident command and EOCs at various echelons of command. It consists of a Windows-based, menu-driven interface with embedded plume modeling capabilities. It features distributed mission planning capabilities and man-in-the-loop decision making utilities with 2-D and 3-D interactive environments, alert and casualty notifications, AAR, and time-stamped recording of all activities. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&E; Part-Task Training; Pre-Training; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 1.0 <b>Date evaluated:</b> August 14, 2003	



<b>Product Name:</b> Competency Observation Recording & Evaluation (CORE)	
<b>Company:</b> Naval Air Warfare Center, Training Division 12350 Research Parkway Orlando, FL 32826-3275	<b>Contact Information:</b> Rosemary Garris Code 4691 407-380-4833 Rosemary.garris@navy.mil
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Observer Tool) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Area:</b> Training, Exercise	<b>Training Type It Supports:</b> Drills, FE, FSE, FSE Reinforcement, National Training Exercise <b>Functional Area(s) It Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, HazMat, Law Enforcement, Public Health, and Public Works, Healthcare, and Public Safety Communications <b>Primary Target Audience:</b> First Responders, Commanders, State Officials, Federal Officials
<p><b>Product Description:</b> CORE is a hand-held device used for remote exercise control, status monitoring, and data entry. It is intended for use by instructors and exercise staff (controllers, evaluators, facilitators, and observers) who are located remotely from the training/exercise control station (e.g., located among students/participants in the field of a large-scale exercise). It can communicate wirelessly with exercise control, or provide data via a docking station after conclusion of the exercise. CORE software is being developed by the Navy (GOTS); the hardware is COTS (primarily a PDA, interfacing with a PC).</p> <p>It is intended as an instructor and exercise-staff tool to support real-time FSEs. The wireless hand-held device can cue evaluators, provide status information, enable remote control of scenario, collect/record performance data, and transfer data to the exercise/analysis computer for the AAR and subsequent analysis.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Remote Observation</p>	
<b>Version:</b> N/A <b>Date Evaluated:</b> April 1, 2003	

<b>Product Name:</b> Computer-Aided Management of Emergency Operations (CAMEO)	
<b>Company:</b> National Oceanographic and Atmospheric Administration; Environmental Protection Agency <b>Web site:</b> <a href="http://www.epa.gov/ceppo/cameo/">http://www.epa.gov/ceppo/cameo/</a>	<b>Contact Info:</b> EPA regional office: <a href="http://www.epa.gov/ceppo/cameo/regcont.htm">http://www.epa.gov/ceppo/cameo/regcont.htm</a>  NOAA: 206-526-6317
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Group, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Operational, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, National Training Exercise  <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Health Care, HazMat, Law Enforcement, Private Sector  <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<p><b>Product Description:</b> CAMEO is a system of software applications used to plan for and respond to chemical emergencies. It includes a national component (e.g., a chemical database of over 6,000 hazardous chemicals, 80,000 synonyms, and product trade names), and a local component (e.g., detailed information about local facilities). CAMEO provides a search engine that allows users to find chemicals instantly. Each chemical is linked to chemical-specific information on fire and explosive hazards, health hazards, firefighting techniques, cleanup procedures, and protective clothing. The local data contains basic information on facilities that store chemicals, on the inventory of chemicals at the facility (Tier II), and on emergency planning resources. Additionally, there are templates where users can store EPCRA information. CAMEO connects the planner or emergency responder with critical information to identify unknown substances during an incident. It provides local emergency planners with a tool to enter local information and develop incident scenarios to better prepare for chemical emergencies.</p> <p>This system came about by integrating the original CAMEO chemical database and a methodology to manage the data, with an air dispersion model (ALOHA), and a mapping capability (MARPLOT). All modules work interactively to share and display critical information in a timely fashion.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Part-Task Training; Pre-Training</p>	
<b>Version:</b> 1.0 <b>Date evaluated:</b> December 2003	

<b>Product Name:</b> Computer Assisted Protective Action Recommendation System (CAPARS)	
<b>Company:</b> AlphaTRAC, Inc. Sheridan Park 8 8670 Wolff Court Suite 120 Westminster, CO 80031  <b>Web site:</b> <a href="http://www.alphatrac.com">http://www.alphatrac.com</a>	<b>Contact Info:</b> Jack Pikas, Program Manager 303-428-5670 <a href="mailto:info@alphatrac.com">info@alphatrac.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group <b>Application Environment:</b> Operational, Analysis	<b>Training Type it Supports:</b> N/A <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials
<b>Product Description:</b>	
<p>CAPARS is a capability for predicting the path and impacts from an atmospheric release of hazardous materials. Specialized rapid-response products tell the Crisis Manager where the plume will go, when it will get there, how serious the impacts will be, and what protective actions to take. The modeling system is specifically designed for application in hazards and risk assessments, emergency preparedness, and real-time emergency response. It provides a variety of plume, weather, hazard, and related information to support all levels of emergency management and response, including first response teams. CAPARS consists of six major subsystems: Task Management, Communication, Graphical User Interface, Atmospheric Modeling, Geographical Information System, and Risk/Hazard Assessment.</p> <p><b>Advantageous MS&amp;G Features:</b> Observations of CAPARS were not made. This product was not fully reviewed, because AlphaTRAC, Inc. did not provide the requested information.</p>	
<b>Version:</b> N/A	
<b>Date evaluated:</b> January 2004	

<b>Product Name:</b> Consequence Assessment Tool Set with Joint Assessment of Catastrophic Events (CATS-JACE)	
<b>Company:</b> Defense Threat Reduction Agency Consequence Assessment Branch (TDOC) 6801 Telegraph Rd. Alexandria, VA 22310-3398 <b>Web site:</b> <a href="http://cats.saic.com/">http://cats.saic.com/</a>	<b>Contact Info:</b> Tel.: (703) 325-6106 FAX (703) 325-0398 ACEhelp@dtic.mil
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> CO and GO <b>Media Scale:</b> Individual, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Operational, and Analysis	<b>Training Type it Supports:</b> FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMA, Government Administrator, HazMat, Law Enforcement <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, and Federal Officials
<b>Product Description:</b> CATS-JACE is a decision support system for analyzing the consequences of man-made threats (CBRNE) and natural disasters (earthquakes and hurricanes). The target audience is U.S. government agencies and military commands, state and city emergency agencies, and commercial users. The system consists of a graphical user interface (GUI) and geographic information system (GIS) mapping, simulation, and reporting features. ArcView provides the GIS mapping capability for analysis and display of predictions, consequence assessments, and resources. Simulation is performed by a large number of modeling packages. CATS-JACE is an integration layer that combines access to multiple models through a common GUI. Most access to external software and modeling code is transparent to the user, except for procurement of ArcView. The customer/user must obtain a copy of ArcView from ESRI separately, in order to run CATS-JACE. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 4.60 <b>Date evaluated:</b> September 5, 2003	

<b>Product Name:</b> Core Training & Exercise System (CT&ES)	
<b>Company:</b> Lockheed Martin 12506 Lake Underhill Road Orlando, FL 32825-5002 <b>Web site:</b> <a href="http://www.lockheedmartin.com">www.lockheedmartin.com</a>	<b>Contact Info:</b> James F. Jarboe 497-306-2514 <a href="mailto:james.jarboe@lmco.com">james.jarboe@lmco.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> N/A <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Team, Large Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Analysis	<b>Training Type it Supports:</b> Awareness, Part-Task Training, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> System designed to follow DoD models and to cover the entire preparedness cycle by providing plan auditing consulting and modeling, training and exercise needs identification and targeted interventions (e.g., online training and simulated exercises with constructive simulations), and timely AARs. It will be developed by Lockheed and carried out in partnership with other vendors (e.g., Capstar, Texas A&M, and Sandia National Laboratories). CT&ES' concept of operations is cyclical and described as: a) Federal, state, and local plan/procedure audit and testing; b) Course and exercise development; c) Pre-exercise training and orientation; d) Team planning/training exercise and evaluation; e) Exercise evaluation AAR; f) Training and plans evaluation and detailed exercise report; g) start cycle again (indefinitely). System is designed to initially require contractor support, and parts of it can potentially be carried out by the users alone. <b>Advantageous MS&amp;G Features:</b> Product is still a prototype and was not rated on observations at this time.	
<b>Version:</b> Prototype <b>Date evaluated:</b> January 9, 2004	

<b>Product Name:</b> Crises Management System Modeling Analysis Package(CMS MAP)	
<b>Company:</b> Applied Science Associates Eoin Howlett, General Director 401-789-6224 Ext. 18 ehowlett@appsci.com	<b>Contact Information:</b> Chris Galagan, Project Manager 401-789-6224 Ext. 30 chris@appsci.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team <b>Application Area:</b> Training, Exercise, Operational, Analysis	<b>Training Type It Supports:</b> Drills, Tabletops, Functional Exercises, FSE, FSE Reinforcement, National Training Exercises, Pre-Training <b>Functional Area(s) It Supports:</b> EMS, EMA, Fire, Government Administration, HazMat, Law Enforcement, Public Health, and Public Works, Healthcare, and Public Safety Communications <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<p><b>Product Description:</b> CMS is a multi-functional application used to simulate a team's response to an emergency situation. It is primarily oriented toward oil spill and chemical/hazardous-material release types of incidents in a port area. It can be used to simulate oil spills, chemical spills, search and rescue operations, nuclear fallout, and marine emergencies. CMS enables a team to provide coordinate location, purchasing, and deployment of task forces and resources at any level of the incident/emergency situation.</p> <p>CMS can be and is used operationally; it has rapid prediction models that assist the response team in understanding the likely direction and impact of a pollutant during the incident. The user may track deployed equipment, personnel, and other resources. This allows cooperative action and communication from any number of emergency service providers</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Remote Observation; Enhanced Communication T&amp;E; Pre-Training</p>	
<b>Version:</b> 4.4 <b>Date Evaluated:</b> March 31, 2003	

<b>Product Name:</b> CRISIS	
<b>Company:</b> Ship Analytics Inc. 183 Providence – New London Turnpike North Stonington, CT 06359 <b>Web Site:</b> www.shipanalytics.com	<b>Contact Information:</b> Michael Collins, Chief of Development 860-535-3092 Fax: 860-535-0560 mcollins@shipanalytics.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team <b>Application Area:</b> Training, Exercise, Operational, Analysis	<b>Training Type It Supports:</b> Drills, TTX, FE, FSE, FSE Reinforcement, National Training Exercise, <b>Functional Area(s) It Supports:</b> EMS, EMA, Fire, Government Administration, HazMat, Law Enforcement, Public Health, Public Works, Healthcare, and Public Safety Communications <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> CRISIS™ is a large scale system simulation designed to support a full EOC team in responding to and managing incident response for applications ranging from oil spill, storm, and natural disaster, to police counter-terrorism. It has a Command Center training focus. CRISIS™ can be used in the development of response plans, alternative strategies, and performance measurement scoring of trainee performance to ensure a state of readiness. It has predictive models, including nuclear and chemical release, coupled with countermeasure simulations that allow the evaluation of alternative countermeasures dynamically against the spread of a particular crisis and its impact in terms of economic and biologic damage. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Remote Observation; Enhanced Communication T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 5.3 <b>Date Evaluated:</b> February 24, 2003	

<b>Product Name:</b> Crisis/Consequence Management Simulation (UCMS)	
<b>Company:</b> Unitech 5870 Trinity Parkway 4 <sup>th</sup> Floor Centreville, VA 20120  <b>Web site:</b> <a href="http://www.unitech1.com">http://www.unitech1.com</a>	<b>Contact Info:</b> Michael Brown 2000 Randolph SE, Suite 104 Albuquerque, NM 87106-4281 505-265-4767 <a href="mailto:info@UNITECH1.com">info@UNITECH1.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> TTX, FE, Pre-Training  <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector  <b>Primary Target Audience:</b> <i>Possibly</i> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<p><b>Product Description:</b> UCMS is one of five components of UNITREX, a suite of Web-based tools assembled to integrate and facilitate exercise design, planning, delivery, and evaluation. UCMS is an automated approach to training exercises. It provides an interactive, computer-based training exercise aimed at improving critical decision making in crisis situations through practice. It provides simulated, terrorism-related emergencies that require responders to employ critical decision making skills while under the pressure of time and resource limitations. As such, it replicates real-time events and allows customization to user needs and objectives. UCMS is identified by its developer as well suited for enhanced TTX and FE, in support of homeland security.</p> <p>UNITREX is a suite of Web-based tools used to develop and deliver progressive exercise programs that build from initial orientation to full-scale field exercises, and it includes pre- and post-training. This exercise design process is in a digital form for distribution through wide-area networks or the Internet.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support; Pre-Training</p>	
<b>Version:</b> Not available <b>Date evaluated:</b> January 2004	



<b>Product Name:</b> Decision Making Skills for Public Officials During a Hazardous Material Incident	
<b>Company:</b> Carley Corporation for FEMA 6023 Selwood Place Springfield, VA 22152 <b>Web Site:</b> <a href="http://www.carleycorp.com">www.carleycorp.com</a>	<b>Contact Information:</b> Nancy Kaufman, Project Manager 6023 Selwood Place Springfield, VA 22152 nkaufman@carleycorp.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Self-Guided Training) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Group <b>Application Area:</b> Training	<b>Training Type It Supports:</b> Awareness, Pre-Training <b>Functional Area(s) It Supports:</b> EMS, EMA, Fire, Government Administration, HazMat, Law Enforcement, Public Health, and Public Works <b>Primary Target Audience:</b> Local Officials
<p><b>Product Description:</b> "Decision Making Skills for Public Officials During a Hazardous Materials Incident" is a CD-ROM computer-based training (CBT) product. The six-disk set is aimed at educating Public Officials about making decisions during a HazMat incident using the same information they would have available in an actual incident. The training is designed with audio and video clips to increase the interactive quality of the experience. It was developed by the Carley Corporation through a contract with the Emergency Management Institute (EMI) of the Federal Emergency Management Agency (FEMA).</p> <p>According to the Carley Corporation home page, "FEMA wanted to present these officials with an accurate simulated emergency to test strategic decision making." The goal of this training is to "... allow public officials to build experience and confidence in their critical thinking and decision making skills before facing the next disaster." This training is designed to simulate the same data elements; time constraints; and political, safety, financial, and legal pressures that public officials would encounter in an actual incident.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support; Pre-Training</p>	
<b>Version:</b> There is only one version; it has been distributed to the States by FEMA. <b>Date Evaluated:</b> March 4, 2003	

<b>Product Name:</b> Disaster Response Board Game	
<b>Company:</b> Learning Landscapes Note: This company is no longer in business. The American Red Cross Disaster Services Program owns the Disaster Response Board Game. <b>Web site:</b> www.learninglandscapes.com	<b>Contact Info:</b> Al Vliet, Manager - Individual and Organizational Learning. Disaster Preparedness  202.303.8699 vlieta@usa.redcross.org
<b>Key Product Attributes:</b> Unknown at this time	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>GOTS/COTS:</b> CO <b>Media Scale:</b> Group, Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b>	<b>Training Type it Supports:</b> N/A <b>Functional Area(s) it Supports:</b> N/A <b>Primary Target Audience:</b> N/A
<b>Product Description:</b>  According to the Learning Landscapes Web site: "the Disaster Response Board Game is a board game that simulates a moderate size disaster relief operation. The simulation is played over two days. ...the simulation allows participants to experience some of the key elements of a disaster relief operation from preparedness capabilities through to after-action analysis of the incident. Emphasis is on communication and the decision making framework with quality service as the goal. Each game board requires 6-8 players. Up to four boards may be played simultaneously, for a maximum total of 32 participants. Participants are disaster leadership staff."  "In the simulation, participants manage a relief operation for a flood that affects four communities. The primary decisions revolve around providing service to people affected by disaster, the human resources and training pipeline, the logistics pipeline, and information flow. The objectives of the simulation are to: manage the systems of a disaster relief operation; explain the importance of planning and preparedness activities; focus on problem-solving with quality service as a goal; and use resources wisely."  The game has built-in mechanisms to track three main performance measures: quality service to clients, improvements in the community's capacity to handle future disasters, and relief operation costs. At the completion of the game, participants debrief first as a team, discussing their decisions around these quality measures and their effectiveness as individual leaders and as a team. Finally, all teams participate in a group debrief, which focuses on the impact of the underlying systems of any disaster relief operation.  <b>Advantageous MS&amp;G Features:</b> <i>Possibly</i> Records User-Specific Performance; Requires Active User Decision Making; Pre-Training	
<b>Version:</b> Unknown <b>Date evaluated:</b> September 3, 2003	

<b>Product Name:</b> Eagle Defender (EGLD)	
<b>Company:</b> McDonald Research Associates 120 University Park Dr., Suite 200 Winter Park, FL 32792 <b>Web site:</b> www.mrassociates.com	<b>Contact Info:</b> Dr. Bruce McDonald McDonald Research Associates 120 University Park Dr., Suite 200 Winter Park, FL 32792 bruce@mrassociates.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group, Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Training	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, TTX, FE, FSE Reinforcement, Distributed Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMA, Fire, Government Administrator, HazMat, Law Enforcement, and Public Health <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> Eagle Defender is a desktop real-time computer simulation tool that allows leaders and decision makers from multiple organizations to practice large- and small-scale incident responses without tying up large numbers of front line personnel. It is an outgrowth and expansion of Security Forces Distributed Mission Training technology developed for the Air Force. The tool simulates the incident, activities of the perpetrators, and activities of the assets (equipment and personnel) deployed by the incident response planners and decision makers. With this tool, leaders can practice: <ul style="list-style-type: none"> <li>- Deploying assets to prevent or detect an incident.</li> <li>- Responding to reports from field personnel.</li> <li>- Deciding on courses of action and which assets to deploy in response.</li> <li>- Directing field personnel to execute the courses of action.</li> <li>- Requesting and providing assistance and assets from/to other jurisdictions, including military Civil Support Teams.</li> </ul> <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&E; Part-Task Training; Pre-Training	
<b>Version:</b> 3.2 <b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> EM/2000	
<b>Company:</b> BizcomUSA 5440 NW 33rd Ave, Suite 106 Ft. Lauderdale, FL 33309-6338 <b>Web site:</b> <a href="http://www.bizcomusa.net/em2000.html">http://www.bizcomusa.net/em2000.html</a>	<b>Contact Info:</b> David Klein (800) 440-8515 ext. 212 <a href="mailto:DavidK@bizcomusa.net">DavidK@bizcomusa.net</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Operational	<b>Training Type it Supports:</b> Drill, TTX, FE, FSE, Distributive Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> EM 2000 is a "PC based emergency management software system that streamlines the flow of critical information during emergency incidents or major events." It is designed to be used operationally, during non-emergency periods, with daily use features such as contact and resource management, GIS mapping, task management, messaging, workgroup discussions, calendaring and scheduling, etc. It can be used to "ascertain the magnitude of an emergency or disaster, locate and deploy resources, log incident activities, track requests and tasks, generate situation reports and communicate critical information across local and wide-area networks and the Internet."	
<b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 4.09 <b>Date evaluated:</b> December 1, 2003	

<b>Product Name:</b> Emergency: Fighters for Life	
<b>Company:</b> The WizardWorks Group, Inc. 2300 Berkshire Lane North Plymouth, MN 55441 <b>Web Site:</b> <a href="http://www.wizworks.com">www.wizworks.com</a>	<b>Contact Information:</b> <a href="http://www.ina-support.com">http://www.ina-support.com</a> Infogrames, Inc. 417 Fifth Avenue New York, NY 10016 Tel. 212-726-6500 <a href="mailto:support@wizworks.com">support@wizworks.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Entertainment) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Area:</b> Entertainment	<b>Training Type It Supports:</b> Awareness <b>Functional Area(s) It Supports:</b> N/A <b>Primary Target Audience:</b> N/A
<b>Product Description:</b>	
<p>This product is a computer game that allows the user to practice strategic and tactical decision making while responding to 30 different accident or disaster scenarios. The main challenge is in choosing how to deploy emergency vehicles and teams in a timely manner according to the type of incident or scenario. Emergency responders must then be directed to perform certain actions to rescue victims, perform first aid, and transport them to the hospital. The simulation tests basic incident response decision making in pre-scripted scenarios.</p> <p>The simulations are pre-defined scenarios, which have either implicit or explicit constraints. Emergency bases are located in a given geography, and vehicles and responder personnel have fixed rates of movement. Some scenarios require task completion in a given amount of time or before a victim dies of injuries. Only certain types of responders can deal effectively with WMD type events (firefighters in HazMat suits, for example). The simulation software determines the success or failure of each mission based upon successful task completion, timing, and victim health. Different degrees of victim injury require different types and speeds of emergency response. Similarly, entities have realistic constraints on their actions; ambulance orderlies cannot fight fires, firefighters cannot direct traffic, police cars cannot tow vehicles.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support</p>	
<b>Version:</b> N/A	
<b>Date Evaluated:</b> March 31, 2003	

<b>Product Name:</b> Emergency Preparedness Incident Command Simulation (EPiCS)	
<b>Company:</b> TRADOC Analysis Center (AST, Inc.) Building 1400 WSMR, NM 88002 <b>Web Site:</b>	<b>Contact Information:</b> Dr. Julie Seton, EPiCS Project Leader 505-678-4949 Setonj.contractor@trac.wsmr.army.mil
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Computer Adjudicated) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Area:</b> Training, Exercise	<b>Training Type It Supports:</b> FE, FSE, Distributed/Collaborative Exercise <b>Functional Area(s) It Supports:</b> EMS, EMA, Fire, Government Administration, HazMat, Law Enforcement, Public Health, Public Works, Healthcare, and Public Safety Communications <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials
<b>Product Description:</b> <p>EPiCS was developed to support emergency response capabilities and events. It is a simulation and visualization training and exercise tool consisting of a set of 20 software packages designed to provide realistic practice for public safety managers—including response to WMD. The two main elements of EPiCS are the Janus simulation engine and the visualization and exercise playback tool Operational Test Visualization (OTVIS).</p> <p>EPiCS can be used to model the physical, geo-specific environment and entities of choice. It provides human-in-the-loop (HITL) simulation in which human participants control the action of simulated entities; discrete events and behaviors are attributable to individual entities.</p> <p>The training/exercise audience does not interact with the simulation itself—they interact with role-players who are interacting with the simulation. After the exercise, in an AAR, the training audience will be exposed to visualizations produced by playback of the simulation.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Remote Observation; Enhanced Communication T&amp;E; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> Experimental prototype of operational system <b>Date Evaluated:</b> April 5, 2003	

<b>Product Name:</b> Emergency Response Synchronization Matrix (ERSM)	
<b>Company:</b> Argonne National Laboratory Center for Integrated Emergency Prep. Building 900 9700 South Cass Avenue Argonne, IL 60439-4832 <b>Web site:</b> <a href="http://ersm.dis.anl.gov/default.asp">http://ersm.dis.anl.gov/default.asp</a>	<b>Contact Info:</b> Jacques Mitrani Associate Director Tel.: (630) 252-7087 Email: <a href="mailto:jacquesm@anl.gov">jacquesm@anl.gov</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Planning/Presentation Tool) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Group, Multi-Agency Participation <b>Application Environment:</b> Training, Analysis	<b>Training Type it Supports:</b> Pre-Training, TTX, FE, FSE, FSE Reinforcement <b>Functional Area(s) it Supports:</b> EMA, HazMat, Law Enforcement, Public Works, Transportation <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> <p>The Emergency Response Synchronization Matrix is a software tool for planning emergency response processes that span multiple organizations and jurisdictions. Functionally, the product is a database with a GUI that produces process/information flow charts as its main output. It is a single PC platform planning system for incident response that supports individual or small group use.</p> <b>Advantageous MS&amp;G Features:</b> Pre-Training	
<b>Version:</b> 2.1.1 (October 2002) <b>Date evaluated:</b> September 5, 2003	

<b>Product Name:</b> Emergency Response to Terrorism: Basic Concepts (ERT:BC)	
<b>Company:</b> Illinois Fire Service Institute 11 Gerty Drive Champaign, IL 61820  <b>Web site:</b> <a href="http://www.fsi.uiuc.edu">http://www.fsi.uiuc.edu</a>	<b>Contact Info:</b> Richard L. Jaehne, Director 217-333-8926 <a href="mailto:jaehne@uiuc.edu">jaehne@uiuc.edu</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Other) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training	<b>Training Type it Supports:</b> Awareness, Pre-Training  <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector  <b>Primary Target Audience:</b> First Responders, Local Officials, State Officials
<p><b>Product Description:</b> The ERT:BC is a Web-based course addressing awareness training. The first session of this course will be conducted in January 2004. This course is an evolution of a resident course that was taught at various venues throughout the State of Illinois. This prototype Web-based course is planned to be taught exclusively over the Internet, with a video tape module (video tape is loaned to the students' local libraries) and limited remote instructor assistance (e.g., for certain homework items). This is the course's initial implementation; it may be subsequently modified as a result of experiences during its conduct. A variety of modifications are possible, in keeping with the instructional tools typically used by the IFSI (e.g., student internet chat rooms; video tapes loaned to students' local libraries; instructor availability to respond to student inquiries).</p> <p>This program is designed to help responders recognize and understand acts of terrorism, both domestic and international. It provides responders with basic knowledge on implementing self-protective measures, scene security, and tactical considerations when dealing with terrorism. Explosives, chemical, radiological, and etiological types of harm are discussed. This class also gives the responders an overview of the incident command structure and their role within a mass casualty disaster involving a multi-jurisdiction command system.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Pre-Training</p>	
<b>Version:</b> N/A  <b>Date evaluated:</b> December 2004	



<b>Product Name:</b> Emergency Simulation Program (ESP)	
<b>Company:</b> Straylight Multimedia 5512 Broadway Burnaby, B.C. Canada V5B 2X7 <b>Web site:</b> www.straylightmm.com	<b>Contact Info:</b> Jay Storey (604) 298-5521 jstorey@telus.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Planning/Presentation Tool) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Group, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, HAZMAT, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> ESP is an authoring/presentation software program. It comes equipped with a library of still or motion video vignettes that can be arranged to simulate a pre-arranged scenario. It is designed to control the creation and presentation of multimedia simulations used to train personnel involved in emergency response. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Supported by Computer Simulation; Enhanced Communication T&E; Part-Task Training; Pre-Training	
<b>Version:</b> 4.2.2 <b>Date evaluated:</b> December 12, 2003	

<b>Product Name:</b> Employee Awareness Video	
<b>Company:</b> WMD Installation Preparedness Program Services : AMSSB-REN-HD (E3331/117) 5183 Blackhawk Road, Aberdeen Proving Ground, MD 21010-5424 Tel: (410) 436-3674 Email: homeland.defense@sbccom.apgea.army.mil <b>Web site:</b> <a href="http://hld.sbccom.army.mil/ip/fs/wmd_ip_courses_fact_sheet.htm">http://hld.sbccom.army.mil/ip/fs/wmd_ip_courses_fact_sheet.htm</a>	<b>Contact Info:</b> Linda Harris EAI Corporation Ph: 410-676-1449
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Static Media (Presentation) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Group <b>Application Environment:</b> Training	<b>Training Type it Supports:</b> Awareness <b>Functional Area(s) it Supports:</b> Private Sector <b>Primary Target Audience:</b> <i>Possibly</i> First Responders, Commanders, Local Officials, State Officials
<b>Product Description:</b> Employee Awareness training is a 30-minute video presentation intended to provide basic WMD awareness to a diversified audience of private-sector employees, installation military, civilians, and dependents. The training is presented in layman's terms and is available in both English and Spanish. There is no instructor requirement; however, a facilitator is recommended to guide one through the video. <b>Advantageous MS&amp;G Features:</b> <i>Possibly</i> Part-Task Training; Pre-Training	
<b>Version:</b> 1 <b>Date evaluated:</b> December 19, 2003	

<b>Product Name:</b> EMS Simulator	
<b>Company:</b> Less Stress Instructional Services 138 Buena Vista Ave. Hawthorne, NJ 07506 <b>Web Site:</b> www.lessstress.com	<b>Contact Information:</b> John Mateus, Mary Rongo 888-277-3671 jmateus@lessstress.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Self-Guided Training) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group <b>Application Area:</b> Training	<b>Training Type It Supports:</b> Awareness, Pre-Training <b>Functional Area(s) It Supports:</b> EMS, Healthcare <b>Primary Target Audience:</b> First Responders
<b>Product Description:</b> <p>EMS Simulator is a Web-based training accessible to the general public. The training is accessed through <a href="http://www.lessstress.com">www.lessstress.com</a> and is designed to increase knowledge and awareness of "pre-hospital" medical emergencies. The site claims that the delivered content is not meant to replace normal "hands on" training courses. The targeted users are emergency medical personnel who opt to refresh their training in the delivery of first aid to a range of victims. Targeted users for the CPR simulations are bystanders in non-specific or work settings.</p> <p>Both the CPR and EMS applications are Web-based, individual, fixed-path computer-based training tools. Strictly speaking, these applications are not simulations but deterministic, discrete models used to test functional processes in a narrative format. Users progress through sets of Web pages by making decisions that conform to pre-defined decision logic representing first responder best practices. The user selects discrete choices of action in a given stage of each scenario. If the wrong decision is made, the user is coached that there is a more appropriate selection and forced to return to the previous screen. All scenarios for both the CPR and EMT tools are fixed-path training providing the user with established decision logic.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Pre-Training</p>	
<b>Version:</b> N/A <b>Date Evaluated:</b> March 12, 2003	

<b>Product Name:</b> eRoom	
<b>Company:</b> Documentum 6801 Koll Center Parkway Pleasanton CA 94566  <b>Web site:</b> <a href="http://www.documentum.com/solutions/collaboration/index.htm">http://www.documentum.com/solutions/collaboration/index.htm</a>	<b>Contact Info:</b> 1-888-593-7666 Email: <a href="mailto:info@documentum.com">info@documentum.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Virtual Collaborative Environment)  <b>Commercial or Government Owned:</b> CO  <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation  <b>Application Environment:</b> Operational	<b>Training Type it Supports:</b> <i>Possibly</i> Pre- Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise  <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector  <b>Primary Target Audience:</b> <i>Possibly</i> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b>  eRoom is a general-purpose collaborative environment. It provides a central location for sharing digital files and has a robust document revision and tracking capability, as well as collaboration tools (mostly asynchronous). Features include: project planning capabilities like Gantt charts and task tracking; robust document handling including version tracking, full-text search and group editing of files; and threaded discussions, dynamic polling, and automated alerts. Most of the collaboration is asynchronous (threaded discussions, file sharing); the real-time synchronous capability is application sharing, where multiple users can share the same application view simultaneously and have a chat capability while doing so.  eRoom might be used in the T&E development process. Putting together an exercise is often a complicated coordination process, requiring much scheduling coordination, as well as tracking of milestones and documents generated along the way: schedules, scenario injects, supporting reference documents, etc. eRoom's collaboration and document capabilities are a natural fit for this kind of process. eRoom might also be used for an online distributed exercise, so long as player interaction can occur primarily asynchronously.  <b>Advantageous MS&amp;G Features:</b> Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 7  <b>Date evaluated:</b> 12/19/03	

<b>Product Name:</b> E Team (ETM)	
<b>Company:</b> E Team  <b>Web site:</b> <a href="http://www.eteam.com">http://www.eteam.com</a>	<b>Contact Info:</b> Charles Mancini 877-546-7892 x257 cmancini@eteam.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Operational	<b>Training Type it Supports:</b> Drills, TTX, FE, FSE, Distributed Collaborative Exercise, and National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b>	
<p>Browser based information management software that allows users to share a common operation picture in the form of standardized summaries, reports, requests, notifications, directives, annotated maps, and a resource tracking utility. It was designed to allow users to share information, make decisions, and deploy resources without being physically present at the EOC. Functionalities include resource management, action planning and personnel tasking, creation of directories, and real-time messaging.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&amp;E; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> 2.1 <b>Date evaluated:</b> August 14, 2003	

<b>Product Name:</b> FEMIS and EMAdvantage	
<b>Company:</b> Pacific Northwest National Laboratory P.O. Box 999, MS K7-28 Richland, WA 99352 <b>Web site:</b> <a href="http://www.pnl.gov/emadvantage/">http://www.pnl.gov/emadvantage/</a>	<b>Contact Info:</b> David Millard Tel.: (509) 375-2947 Email: <a href="mailto:dave.millard@pnl.gov">dave.millard@pnl.gov</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO (EMAdvantage), and GO (FEMIS) <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Operational	<b>Training Type it Supports:</b> Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Law Enforcement, HazMat, Public Safety Communications, Public Works, Private Sector <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> <p>FEMIS/EMAdvantage is an automated decision support system for use in incident response management by Emergency Operations Centers. While the system is primarily intended for operations, it includes a training and exercise mode. FEMIS/EMAdvantage has a planning module that allows new students and trainers to create and manage exercises, hazards, and scenarios. For any defined hazard/exercise/scenario the system allows emergency managers to examine threat and risk information, make and track protective action decisions, and share status information across the extended emergency operations center. FEMIS/EMAdvantage was designed to support planning, operations, and response using information from multiple users and jurisdictions. It provides the ability to identify all of the key facilities, sensors, traffic control points, etc. affected by a specific hazard or threat. It supports the preparedness, daily operations, and response activities for multiple hazards and threats. The operations status boards subsystem allows status boards and other highly dynamic information to be viewed, edited, and added from multiple locations and users.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automatic Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&amp;E; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> 1.5.3 <b>Date evaluated:</b> November 12, 2003	

<b>Product Name:</b> Fire Studio (FS2)	
<b>Company:</b> Digital Combustion, Inc 9121 Atlanta Ave., #705 Huntington Beach, CA 92646 800-884-8821 <b>Web site:</b> www.digitalcombustion.com	<b>Contact Info:</b> 9121 Atlanta Ave., #705 Huntington Beach, CA 92646 949-348-1120
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Planning/Presentation Tool) <b>Commercial or Government Owned:</b> C0 <b>Media Scale:</b> Individual, Group, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, TTX, and FSE Reinforcement <b>Functional Area(s) it Supports:</b> Fire, HazMat <b>Primary Target Audience:</b> Commanders
<b>Product Description:</b> <p>Fire Studio is a versatile instructor aid that allows trainers to create fire scene simulations on a PC. This software program allows users to create their own simulations by adding animated smoke and fire to pictures of buildings, landscapes, planes, anything that can be photographed, even the inside of the building. Fire Studio is entirely customized; it allows customers to prepare for fires in their own city. Customers take pictures of structures, landscapes, planes, etc. in their own city and load it into the program. Users can bring in clip art and add equipment, fire hydrants, etc. Once the picture of the location of the fire is loaded into the program, users can select from a menu of different types of fire and smoke to create the simulation. The program includes HazMat cues such as the type of flames, smoke/vapor color, and thickness. Customers can also bring in sound files to simulate reality.</p> <p>Instructors can set up four monitors with a student at each monitor (each with a different view of the fire) and see how the students coordinate the response. Users do not interact with the program but rather with each other. The program allows the user to save and repeat simulations or change them in any way they want. Customers can also email the scenarios and share them with others who have the same software.</p> <p><b>Advantageous MS&amp;G Features:</b> Simulation Support; Part-Task Training; Pre-Training</p>	
<b>Version:</b> 2 <b>Date evaluated:</b> August 29, 2003	

<b>Product Name:</b> First Responders Situational Awareness Tool (FiRST)	
<b>Company:</b> ALION Science and Technology 1901 N. Beauregard St., Suite 400 Alexandria, VA 22311 703-933-3323 and 888-566-7672 <b>Web site:</b> <a href="http://www.msiac.dmsso.mil">www.msiac.dmsso.mil</a> <a href="http://www.alionscience.com">www.alionscience.com</a>	<b>Contact Info:</b> 1901 N. Beauregard St., Suite 400 Alexandria, VA 22311 703-933-3323 msiac@msiac.dmsso.mil
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group <b>Application Environment:</b> Exercise, Operational, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, TTX, FSE Reinforcement <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> <p>FiRST is a suite of programs/tools designed to make simulations more accessible and usable. It allows mission planning, rehearsal, and analysis. It can also be used operationally and provides information on demand about terrain and buildings.</p> <p>FiRST has a set of capabilities that include the 3-D Immersive models and panoramic views of building interiors, exteriors and surrounding areas, GIS capability, and 2-D topography with interactive simulation (usually JCATS). The user will see a 3-D image of a building they can navigate as well as a 2-D map of the same installation. The image and map are synchronized. The program can be used in planning response to particular incidents at specific locations in their community. FiRST is easy to use and only requires familiarity with Microsoft PowerPoint and Web browsers.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Part-Task Training; Pre-Training</p>	
<b>Version:</b> 1.3 <b>Date evaluated:</b> September 11, 2003	



<b>Product Name:</b> FORT (Force Protection Operational Requirements Testbed)	
<b>Company:</b> U.S. Army AMSRD-AMR-SS-AE Redstone Arsenal, AL 35898 <b>Web site:</b> N/A	<b>Contact Info:</b> Dan D. Belk 256-876-4466 <a href="mailto:dan.belk@us.army.mil">dan.belk@us.army.mil</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Small Multi-User Team <b>Application Environment:</b> Training, Exercise, Analysis	<b>Training Type it Supports:</b> Awareness, Part-Task Training, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, HazMat, Law Enforcement, Public Safety Communications, Public Works <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> <p>FORT is a suite of simulations and 3-D viewing tools depicting terrorists, responders, vehicles, and others moving within a synthetic environment. The environment size is scalable but would generally correspond to a DoD installation, a city, or county. Exercise support has been provided to the Redstone Arsenal (RSA) and the Camp Shelby Training Support Brigade. Battlefield simulations adapted from legacy force-on-force modeling and actual commercial 911 software linked seamlessly with DIS have been used to date, but any DIS or HLA compliant simulation is a candidate for inclusion. Responders (both within RSA and which may be reasonably expected to respond to calls for mutual aid from the surrounding community), unmanned aerial and ground vehicles, fire, MP, quick reaction forces, and NASA protective services have been modeled.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information; Simulation Support; Part-Task Training; Pre-Training</p>	
<b>Version:</b> N/A <b>Date evaluated:</b> December 19, 2003	

<b>Product Name:</b> Full Spectrum Command	
<b>Company:</b> U.S. Army RDECOM Simulation and Training Technology Center 12423 Research Parkway Orlando, FL 32826 <b>Web site:</b> <a href="http://www.ict.usc.edu/disp.php?bd=proj_games_fsc">http://www.ict.usc.edu/disp.php?bd=proj_games_fsc</a>	<b>Contact Info:</b> Karen Williams Tel.: (407) 384-3937 Email: <a href="mailto:karen.e.williams@us.army.mil">karen.e.williams@us.army.mil</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO and GO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training <b>Functional Area(s) it Supports:</b> <i>Possibly</i> HazMat, Law Enforcement, Public Safety Communications <b>Primary Target Audience:</b> Commanders
<p><b>Product Description:</b> Full Spectrum Command is 2-D and 3-D interactive gaming software with AAR and review question and answers. FSC includes a user-level Scenario Editor for developing new or modifying existing scenarios. The program contains about 16 pre-scripted scenarios with differing missions, time of day, rules of engagement, weapons, and technological aids. All of these parameters are adjustable. Training can be conducted in a self-guided mode or in an instructor evaluation mode for curriculum-based use. Both modes support automated data and scenario recording for AAR. The user can pause, stop, save, and restart scenarios as necessary and may choose to append or start a new separate AAR data file.</p> <p>Full Spectrum Command combines a number of training and functional characteristics that would be useful in ODP's T&amp;E program. Training elements that would be useful include tactical planning, a "gaming" approach involving an intelligent OPFOR (human-controlled or automated forces), and potential for facilitated or self-guided AAR. Functional presentation elements that could be applied include 3-D virtual reality "gaming" action, automated scenario capture and replay from any vantage point, automated performance-related statistics and AAR, and a scenario editor that can be used to modify training content so that trainees are not presented with the exact same scenarios.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Part-Task Training, Pre-Training</p>	
<b>Version:</b> 1.0.2 (February 25, 2003) <b>Date evaluated:</b> December 12, 2003	

<b>Product Name:</b> Gaming and Multimedia Applications for Environmental Crisis Management Training (GAMMA-EC)	
<b>Company:</b> The GAMMA-EC Consortium TNO-FEL Oud Waalsdorperweg 63 2597 AK The Hague The Netherlands  <b>Web site:</b> <a href="http://www.tno.nl/instit/fel/gamma_ec/index.html">http://www.tno.nl/instit/fel/gamma_ec/index.html</a>	<b>Contact Info:</b> Dirk Stolk Tel.: +31-70-374-0177 stolk@tno.fel.nd
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO and GO <b>Media Scale:</b> Individual, Group, Small Multi-User Team <b>Application Environment:</b> Training	<b>Training Type it Supports:</b> Pre-Training, FE, Distributed Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> Commanders
<b>Product Description:</b> <p>GAMMA-EC is a software application that provides a combination of multimedia educational content for self-paced training and an interactive crisis simulation for team training of emergency management staff. Users may access the system either by means of a local area network (intranet) or by the Internet. Two training modules included in the prototype version address chemical spills and forest fires, whereby trainees make decisions based on visual, text, and audio cues on a 2-D terrain map to respond to the given crisis. A key feature of GAMMA-EC is the built-in testing and performance measurement of trainees.</p> <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Pre-Training; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> Prototype <b>Date evaluated:</b> September 15, 2003	

<b>Product Name:</b> Groove (GRV)	
<b>Company:</b> Groove Networks, Inc 877-747-6683 <b>Web site:</b> <a href="http://www.groove.net">http://www.groove.net</a>	<b>Contact Info:</b> <a href="http://www.groove.net/about/contact.html">http://www.groove.net/about/contact.html</a> 877-747-6683 <a href="mailto:info@groove.net">info@groove.net</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Virtual Collaborative Environment) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Operational	<b>Training Type it Supports:</b> <i>Possibly</i> Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administrator, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communication, Public Works, Transportation, and Private Sector <b>Primary Target Audience:</b> <i>Possibly</i> Commanders, Local Officials, State Officials and Federal Officials
<b>Product Description:</b> <p>This product is designed to support online collaboration among multiple users in different geographic locations. This is a generic collaboration product designed for business use. It is not designed explicitly for training or exercises, thus there is no existing training or exercise content.</p> <p>Given the flexible distributed collaboration methods it supports, Groove could be used in a variety of trainings or exercises involving multi-agency or intra-agency coordination and planning. Digital scenario elements (text or video) could be sent to participants via email or communicated via text chat/messaging. Participants could work on the scenario by communicating with each other and/or reviewing plans and other materials stored in the virtual workspace or on the Web. Digital communications can be archived and analyzed for AARs.</p> <p>Persistent workspaces can also be useful for T&amp;E planners and developers. Scenario elements, agendas, briefings, etc. can be developed, saved, and stored for later use, and materials can be easily found and reviewed by other planners. Best practices and case studies can be stored in the shared environment with easy accessibility to Groove users. Users can communicate with each other synchronously (in real time) or asynchronously (at different times) using a variety of interactive tools.</p> <p><b>Advantageous MS&amp;G Features:</b> Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&amp;E; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> 2.5 <b>Date evaluated:</b> June 26, 2003	

<b>Product Name:</b> Guard Force (GF)	
<b>Company:</b> Semi Logic Entertainments, Inc. for the National Guard 9434 Deschutes Rd., Ste. 200 Box 923 Palo Cedro, CA 96073 530-547-3730 <b>Web site:</b> <a href="http://www.1800goguard.com/guardforce/info.asp">http://www.1800goguard.com/guardforce/info.asp</a> <a href="http://www.semilogic.com">www.semilogic.com</a>	<b>Contact Info:</b> Glen Thompson, V.P. 530-547-3730 1-800-GO-GUARD glen@semilogic.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual <b>Application Environment:</b> Entertainment	<b>Training Type it Supports:</b> N/A <b>Functional Area(s) it Supports:</b> N/A <b>Primary Target Audience:</b> N/A
<b>Product Description:</b> <p>Guard Force is a computer game developed by Semi Logic Entertainments, Inc. for the National Guard in its effort to market the Guard to recruits. It is a single-player, real-time strategy game that requires a user to build and defend a military base and perform other tasks that reflect National Guard missions. There are six missions for a player to complete including the training mission. The other missions are Flood Relief, Covert Strike, Embassy Escape, Base Protection, and Overthrow General. It is not a single-shooter game, although one can order individual troops (e.g., snipers) to fire on the enemy. Building the base starts with a Headquarters building, after which a player can add other types of buildings such as supply depots. Buildings can only be constructed if there are enough supplies. The cost of each building is provided. Each building has specific units attached to it (the Rotary Air Center deploys helicopters). The player can move units and troops around as well as buildings and supplies. An enemy army will attack the base and troops in each mission except for Flood Relief. Guard Force was created with a limited budget to allow the National Guard to evaluate its effectiveness. It is currently being revised and improved as the Guard has found it a useful element in their recruitment efforts.</p> <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making	
<b>Version:</b> 2002 <b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> Guardian Suite	
<b>Company:</b> Peoplesoft, Inc. 4460 Hacienda Drive Pleasanton, CA 94588-8618 <b>Web site:</b> <a href="http://www.peoplesoft.com">http://www.peoplesoft.com</a>	<b>Contact Info:</b> Raymond Vigil, Business Development Manager Tel.: (877) 414-9212 Email: <a href="mailto:Raymond.Vigil@peoplesoft.com">Raymond.Vigil@peoplesoft.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Operational, Analysis	<b>Training Type it Supports:</b> Pre-Training, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMA, Government Administration, Public Safety Communications, Private Sector <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<p><b>Product Description:</b> Guardian Suite is an integrated set of PeopleSoft's existing enterprise application software that includes solutions for recruitment, skills assessment, and deployment of the nation's first responders. It utilizes many of PeopleSoft's core software solutions, with some extensions built specifically for first responder business processes, to provide a comprehensive operational management information system that addresses the range of domestic preparedness processes: plan, prepare, respond, and assess.</p> <p>Guardian Suite applications provide a wide range of options for governments to construct their own information system solutions for homeland security. Guardian Suite aggregates and organizes data from many different sources through a customized Web portal interface. As part of the solution, the Command Center Console provides a complete 360-degree view of personnel information and skills, enabling agencies to respond to a crisis with the right people and resources. In addition, the Command Center Console is designed to manage the information and communication needs of emergency command centers both in times of crisis and in the daily management of their workforces. It can be used to monitor emergency alerts, track resources and assess personnel skills, allowing users to manage emergency response from any location.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Pre-Training; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> 8.8 <b>Date evaluated:</b> December 3, 2003	

<b>Product Name:</b> Hazard Prediction and Assessment Capability (HPAC)	
<b>Company:</b> Defense Threat Reduction Agency (DTRA) Consequence Assessment Branch 8725 John J. Kingman Rd., MSC 6201 Fort Belvoir, VA 22060-6201 <b>Web site:</b> <a href="http://www.dtra.mil/td/acecenter/td_hpac.html">http://www.dtra.mil/td/acecenter/td_hpac.html</a>	<b>Contact Info:</b> HPACHelp@dtic.mil Phone: (703) 325-6106 FAX: (703) 325-0398
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training, Exercise, Operational, Analysis	<b>Training Type it Supports:</b> FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMA, Government Administrator, HazMat, Public Health, Public Works <b>Primary Target Audience:</b> Commanders, Local, State and Federal Officials
<b>Product Description:</b> HPAC is software code that models CBRNE dispersion and potential affects on civilian and military populations in local to regional areas. It can be used as a stand-alone system (via GUI) or can be integrated into other HLA-compliant systems (e.g., CATS – Consequence Assessment Tool Set). HPAC models atmospheric turbulence using SCIPUFF (second order closure, Lagrangian puff), and contains six incident and source term description modules for nuclear, biological, and chemical facilities and weapons. HPAC can access weather observation data from Meteorological Data Servers maintained by DTRA, or import standard weather reports for model predictions. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 4.0 <b>Date evaluated:</b> September 9, 2003	

<b>Product Name:</b> Homeland Security Response Action Model (HLS-RAM)	
<b>Company:</b> NDU/Joint Forces Staff College 7800 Hampton Blvd Norfolk VA 23511-1702 <b>Web site:</b>	<b>Contact Info:</b> Claire Marie 757/443-6542 mariec@jfsc.ndu.edu
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Exercise	<b>Training Type it Supports:</b> TTX, FE <b>Functional Area(s) it Supports:</b> Government Administration, Law Enforcement <b>Primary Target Audience:</b> Federal Officials
<b>Product Description:</b> <p>HLS-RAM has representations of resources, terrain as represented within the COTS software MapInfo, scenario injects (email or video), limited chemical or radiological plume modeling, and the ability for users to communicate with each other via email. Currently, it has very limited adjudication: resources can move to the site of the plume, but they do not affect the plume in any way—controllers make those decisions. It can be used as an exercise driver to promote communication and decision making among users, though it cannot provide simulated results of those decisions (except regarding resource movement). One positive aspect of HLS-RAM is the ability to relatively easily change inputs and customize them for a given city. Resources are described via XML files, any city could create these files representing their own resources, and the underlying terrain representation comes from MapInfo—a commercial product.</p> <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 1.56 <b>Date evaluated:</b> December 19, 2003	



<b>Product Name:</b> Human Patient Simulator	
<b>Company:</b> Medical Education Technologies Inc. (METI) 6000 Fruitville Road Sarasota, FL 34232 <b>Web Site:</b> www.meti.com	<b>Contact Information:</b> Ron Carovano: Director of New Business Development. rcarovano@meti.com 941-504-5563 Dina Dennis, Southern Regional Sales Manager.
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Equipment Simulation) <b>Commercial or Government Owned:</b> CO, GO <b>Media Scale:</b> Individual, Group, Small Multi-User Team <b>Application Area:</b> Training, Exercise	<b>Training Type It Supports:</b> Equipment Training, Part-Task Training, Pre-Training, Drills, FE, FSE <b>Functional Area(s) It Supports:</b> EMS, Healthcare, Public Health <b>Primary Target Audience:</b> First Responders
<b>Product Description:</b> <p>The Human Patient Simulator is a computer model-driven, full-sized mannequin. The mannequin allows participants to practice emergency response (medical diagnosis and treatment) with a simulated patient in realistic scenarios. The mannequin systems are equipped with a variety of electronic, hydraulic and mechanical subsystems that imitate patient physiology; the chest rises and falls; and it has realistic heart sounds. Real treatment options can be used on the mannequin; blood pressure can be checked with BP cuff, chest compressions actually register, and it responds to medications.</p> <p>This system has the basic capabilities to support training and exercises. HPS uses six medical education areas: anesthesia, medicine, emergency medicine, nursing, respiratory care, and paramedic/EMT. Exercises and scenarios have been adapted to portray the effects of biological, chemical, and radiological/nuclear weapons on humans.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Hospital T&amp;E; Part-Task Training; Pre-Training</p>	
<b>Version:</b> 6 <b>Date Evaluated:</b> February 25, 2003	

<b>Product Name:</b> Hybrid Particle And Concentration Transport Model (HYPACT)	
<b>Company:</b> ATMET, LLC PO Box 19195 Boulder, CO 80308-2195 <b>Web site:</b> www.atmet.com	<b>Contact Info:</b> Craig Tremback ATMET, LLC PO Box 19195 Boulder, CO 80308-2195 tremback@atmet.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group, Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Analysis	<b>Training Type it Supports:</b> <i>Possibly</i> Training, Awareness, Part-Task Training, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> <i>Possibly</i> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b>	
HYPACT represents a state-of-the-art methodology for predicting the dispersion of air pollutants in 3-D, meso-scale, and time-dependent wind and turbulence fields. HYPACT allows assessment of the impact of one or multiple sources emitted into highly complex local weather regimes, including mountain/valley and complex terrain flows, land/sea breezes, urban areas, and other situations in which the traditional Gaussian-plume based models are known to fail.	
<b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 1.3	
<b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> JANUS	
<b>Company:</b> National Simulation Center 410 Kearny Avenue Fort Leavenworth, KS 66027-1306 <b>Web site:</b> <a href="http://www-leav.army.mil/nsc/famsim/janus/index.htm">www-leav.army.mil/nsc/famsim/janus/index.htm</a>	<b>Contact Info:</b> Joe Whitworth, JANUS Team Leader National Simulation Center 410 Kearny Avenue Fort Leavenworth, KS 66027-1306 <a href="mailto:whitworth@leavenworth.army.mil">whitworth@leavenworth.army.mil</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Computer Adjudicated) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Training, Exercise, Analysis	<b>Training Type it Supports:</b> Drills, FE, FSE, FSE Reinforcement, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Health Care, HazMat, Law Enforcement, Transportation <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> <p>JANUS is an interactive, stochastic, ground combat simulation featuring precise color graphics. "Interactive" refers to the interplay between the military personnel who decide what to do in crucial situations during simulated combat and the systems that model that combat. Up to six sides may be simulated. The disposition of opposing sides is largely unknown to the players in control of a side. "Stochastic" refers to the way the system determines the results of actions like direct fire engagements, according to the laws of probability and chance. "Ground combat" means that the principal focus is on ground maneuver and artillery units. JANUS also models weather and its effects, fixed wing aircraft, resupply, and a chemical environment.</p> <p>JANUS has been used to support WMD civilian training and exercising in various locales, under the auspices of the State National Guards.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support</p>	
<b>Version:</b> 7.2 <b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> Joint Conflict and Tactical Simulation (JCATS)	
<b>Company:</b> Auburn University Emergency Response and Homeland Security Training Program 410 Green Hall Annex Auburn University, AL 36849-5532 <b>Web site:</b> <a href="http://www.jwfc.jfcom.mil/about/fact_jcats.htm">http://www.jwfc.jfcom.mil/about/fact_jcats.htm</a>	<b>Contact Info:</b> Dr. Paul Waggoner Program Manager Tel.: 334-844-4541 Email: <a href="mailto:waggolp@auburn.edu">waggolp@auburn.edu</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Computer Adjudicated) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercising	<b>Training Type it Supports:</b> Pre-Training, FE, FSE, Distributed Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Government Administrator, HazMat, Law Enforcement, Public Safety Communication, and Public Works <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials
<b>Product Description:</b> <p>JCATS is an interactive, high-resolution, entity-level war fighter simulation that represents air, ground, and sea-borne combat between discrete and aggregate units on a digitized polygonal terrain. The system is a constructive simulation used to drive exercises and rehearse missions ranging from small teams to joint task force level. Besides combat scenarios, JCATS can simulate exercises for drug interdiction, disaster relief, peacekeeping, counter-terrorism, hostage rescue, and site security. The system is currently being adapted by multiple organizations to meet new needs with respect to theater-level combat simulation (the JCATS-JTLS federation effort), and to civil emergency response simulation. Intended uses are for planning and rehearsal, training and exercises, experimentation, and analysis.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Pre-Training; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> 4.0 (October 2002) <b>Date evaluated:</b> September 10, 2003	

<b>Product Name:</b> Joint Integrated Database Preparation System (JIDPS)	
<b>Company:</b> U.S. Army – U.S. Joint Forces Command (JFCOM) 1562 Mitscher Ave, Suite 200 Norfolk, VA 23551-2488 <b>Web site:</b> <a href="http://www.jwfc.jfcom.mil/about/fact_jidps.htm">http://www.jwfc.jfcom.mil/about/fact_jidps.htm</a>	<b>Contact Info:</b> Jeffrey Irwin (757) 686-6973 <a href="mailto:jeffrey.irwin@jfcom.mil">jeffrey.irwin@jfcom.mil</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Planning/Presentation Tool) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual <b>Application Environment:</b> Analysis	<b>Training Type it Supports:</b> <i>Possibly</i> Drills, TTX, FE, FSE, Distributed Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation <b>Primary Target Audience:</b> Commanders, State Officials, Federal Officials
<b>Product Description:</b> JIDPS is a computer software system that accesses source data and uses that data to generate application-ready files. "JIDPS accesses and retrieves data from various authoritative data sources (ADS) and uses that data to produce simulation-ready force, target, and terrain files in support of training and exercise, analysis, planning, and mission rehearsal." It is a tool that can be used for reducing the time required to create exercises for simulated training and exercises (i.e., build accurate simulation databases to be executed by a compatible simulation). <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making	
<b>Version:</b> 3.4 <b>Date evaluated:</b> December 9, 2003	

<b>Product Name:</b> Joint Theater Level Simulation (JTLS)	
<b>Company:</b> Roland and Associates Corp. 500 Sloat Avenue Monterey, CA 93940 <b>Web site:</b> www.rolands.com	<b>Contact Info:</b> Dr. Ronald J. Roland, President 500 Sloat Avenue Monterey, CA 93940 President@rolands.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Computer Adjudicated) <b>Commercial or Government Owned:</b> CO and GO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> FE, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> Health Care, Public Health <b>Primary Target Audience:</b> State Officials, Federal Officials
<b>Product Description:</b> <p>JTLS system is an interactive, multi-sided war gaming system that models a joint and coalition force air, land, and naval warfare environment. Its purpose is as a tool for use in the development and analysis of joint warfighting operation plans, including:</p> <ul style="list-style-type: none"> <li>- Combat planning analysis tool.</li> <li>- Support material for education.</li> <li>- Exercise support for training.</li> <li>- Means to investigate the results of combat.</li> </ul> <p>The JTLS system consists of six major programs and numerous smaller support programs that work together to prepare the scenario, run the game, and analyze the results. Designed as a tool for use in the development and analysis of operation plans, the model is theater independent and does not require knowledge of programming. The JTLS system operates on a single computer or on multiple computers, either at a single or at multiple distributed sites.</p> <p><b>Advantageous MS&amp;G Features:</b> User Specific Performance; Requires Active User Decision Making; Simulation Support; Enhanced Communication T&amp;E</p>	
<b>Version:</b> 2.5 <b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> Various Products from LifeLine Videos (LLV)	
<b>Company:</b> LifeLine Videos PO Box 66303 Seattle, WA 98166-0303 <b>Web site:</b> www.lifelinevideos.com	<b>Contact Info:</b> Toll Free: 800-571-6433 (Continental US Only) Phone: 206-244-4615 Fax Orders: 206-244-4615 info@lifelinevideos.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Static Media (Presentation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group <b>Application Environment:</b> Training	<b>Training Type it Supports:</b> Equipment Training, Awareness, Part-Task Training <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> First Responders
<b>Product Description:</b> <p>LifeLine Videos is a company that provides training videos, slides, CD-ROMs, instructor manuals, and workbooks for first responders. It is designed to be a one-stop shop providing many training choices. ThoughtLink previewed videos of the Overview of the Incident Command System, Implementing the ICS at HazMat Incidents, and an EMS video concerning soft tissue and muscular-skeletal damage. ThoughtLink also previewed a CD-ROM that included PowerPoint presentations for equipment training (The Automated External Defibrillation Training (AED) Program).</p> <p>LifeLine has more than 60 EMS/First Aid videos, more than 70 Fire videos, more than 35 HazMat videos, and 7 video trainings devoted to terrorism. All videos are designed for use by trainers/facilitators and for incorporation into pre-existing training programs for first responders. The videos are not designed to be stand-alone trainings. There are seven terrorism awareness videos: First Response, Biological Agents, Chemical Agents, Explosives (bomb threats), Medical Response, Anthrax, and a Roll Call edition reviewing the material in the other six videos. Each video comes with an instructor's manual and provides awareness level information on its particular topic. The Web site lists an additional training video in the terrorism series (Explosive and Incendiary Weapons) that was not on the preview tape. There are videos dealing with additional chemical agents in the HazMat Video collection.</p> <p><b>Advantageous MS&amp;G Features:</b> Part-Task Training</p>	
<b>Version:</b> N/A <b>Date evaluated:</b> September 5, 2003	

<b>Product Name:</b> MARPLOT	
<b>Company:</b> National Oceanographic and Atmospheric Administration; Environmental Protection Agency  <b>Website:</b> <a href="http://response.restoration.noaa.gov/comeo/marplot.html">http://response.restoration.noaa.gov/comeo/marplot.html</a>	<b>Contact Info:</b> orr.cameo@noaa.gov
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Planning/Presentation Tool)  <b>Commercial or Government Owned:</b> GO  <b>Media Scale:</b> Individual, Group  <b>Application Environment:</b> Operational	<b>Training Type it Supports:</b> Pre-Training  <b>Functional Area(s) it Supports:</b> EMA, Public Works, Transportation  <b>Primary Target Audience:</b> Commanders
<b>Product Description:</b> MARPLOT is a general-purpose mapping application, jointly developed by NOAA and EPA, which runs on both Macintosh computers and in Windows. It is designed to be easy to use and fast, and to consume as little disk and memory space as possible, so that one can create, view, and modify maps quickly and easily. It also allows a user to link objects on computer maps to data in other programs, including CAMEO.  <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Pre-Training	
<b>Version:</b> 3.3  <b>Date evaluated:</b> December 19, 2003	



<b>Product Name:</b> Mass Casualty Medical Training and Evaluation Services (MMTE)	
<b>Company:</b> SAIC (Science Applications International Corporation)  <b>Web site:</b> <a href="http://www.saic.com/natsec/homeland-security/casualty-medical-evaluation.html">http://www.saic.com/natsec/homeland-security/casualty-medical-evaluation.html</a>	<b>Contact Info:</b> Mike Congleton 10260 Campus Point Drive, MS D5 San Diego, CA 92121 858-826-7281 congletonm@saic.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Exercise	<b>Training Type it Supports:</b> TTX, FSE <b>Functional Area(s) it Supports:</b> First Responders and Commanders <b>Primary Target Audience:</b> EMS, Health Care and Public Health
<b>Product Description:</b> <p>In-the-field medical training (simulated crisis event) for exposure to chemical, radiological, and biological hazards. Users practice treating simulated trauma victims (actors or mannequins) of WMD. All training is done under typical time/pressure constraints and is performed on the equipment used in an actual crisis. It is currently in use by all branches of the military and is also available to civilian emergency responders. It features a number of patient algorithms that address care beginning with the first responder, through stabilization, up to the victim's definitive care. The live training/exercise is monitored by observer/evaluators who note user behavior (either on paper-based evaluation sheets or via an electron-pen-based system) and prompt for action based on victim algorithms. MMTE provides for assessment of command, control, logistics, transportation, and support services. It integrates evaluations, training, and management of casualties.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&amp;E; Hospital T&amp;E</p>	
<b>Version:</b> N/A <b>Date evaluated:</b> September 3, 2003	

<b>Product Name:</b> Meteorological Information and Dispersion Assessment System—Anti-Terrorism (MIDAS-AT)	
<b>Company:</b> Research Place Suite 200A Rockville, MD 20850 <b>Web site:</b> www.absconsulting.com	<b>Contact Info:</b> Keith Woodard Research Place Suite 200A Rockville, MD 20850 kwoodard@absconsulting.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group, Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Training, Exercise, Operational, Analysis	<b>Training Type it Supports:</b> Awareness, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administrator, HazMat, Public Safety Communication <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b>	
MIDAS-AT models radiological, industrial chemical, and chemical and biological agent releases to the atmosphere, inside buildings, and in urban terrain environments. It also has the capability to collect digital data from sensors and to provide appropriate alarms and displays. MIDAS-AT contains: <ul style="list-style-type: none"> <li>- All atmospheric releases (5-minute auto updates).</li> <li>- GUI.</li> <li>- Universal GIS (US and World).</li> <li>- Flat terrain, complex terrain and urban models.</li> <li>- Inside-building releases.</li> </ul>	
<b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 1.7.09	
<b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> MIND	
<b>Company:</b> Visuell Systemteknik i Linköping AB Storskiftesgatan 21 SE-583 34 Linköping, Sweden <b>Web site:</b> <a href="http://www.vsl.se">http://www.vsl.se</a>	<b>Contact Info:</b> Dr Johan Jenvald +46 13 378145 <a href="mailto:johan@vsl.se">johan@vsl.se</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Observer Tool) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group, Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Analysis	<b>Training Type it Supports:</b> Drills, FSE, FSE Reinforcement <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, HAZMAT, Law Enforcement, Transportation <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials
<b>Product Description:</b> The MIND system is a comprehensive AAR tool that quickly combines multiple sources of data (e.g., emergency vehicles are equipped with GPS receivers) and provides timely feedback on exercise performance. This tool produces a computer-based model of the course of events, which can be replayed and browsed to investigate and analyze a particular situation. Events of an exercise are simultaneously recorded in a database. After the exercise is completed, the entire course of events can be replayed and the exercise can be saved for analysis. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance, Remote Observation	
<b>Version:</b> 3.5 <b>Date evaluated:</b> October 21, 2003	

<b>Product Name:</b> Minerva (MINV)	
<b>Company:</b> Metropolitan Police Service Centre for Applied Learning Technologies (CALT) Peel Centre Aerodrome Road Hendon London NW9 5JE United Kingdom  <b>Web site:</b> <a href="http://www.minerva-hydra.org.uk">http://www.minerva-hydra.org.uk</a>	<b>Contact Info:</b> +44 (0)20 8358 1145 +44 (0)20 8358 1370/2  +44 (0)20 8358 1376 <b>fax</b>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Exercise, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Drills, FE, FSE Reinforcement <b>Functional Area(s) it Supports:</b> EMS, Fire, HazMat, Law Enforcement, Public Safety Communication, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders
<b>Product Description:</b> <p>Minerva is a real-time computer simulation system that runs across a network enabling the training of command teams. Minerva simulates large-scale, often critical, policing incidents affording teams of commanders the opportunity to practice command skills such as scene assessment and management, coordination, communication, and problem-solving. Minerva puts the student in a real-life situation by simulating conditions via audio and video. Students typically work in teams and see those incidents and events specific to their command position and location. Other command teams may be working elsewhere at the simulated event (and accordingly, elsewhere on the Minerva network). Each of these individual and specific incidents is part of the larger incident being simulated. All communication and decisions are recorded and synchronized with the video playing at that time and available for replay and analysis during the AAR. Minerva is run by controllers and not by the computer; in that sense it is like a FSE where controllers enter injects and change the scenario as the event unfolds.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&amp;E; Part-Task Training</p>	
<b>Version:</b> N/A <b>Date evaluated:</b> September 11, 2003	

<b>Product Name:</b> Multi-Layer Decision Simulation – school violence (MLADS)	
<b>Company:</b> Crisis Intervention Resources 8640 Oakdale Ave. Winnetka CA 91306 <b>Web Site:</b>	<b>Contact Information:</b> Roger Mason 818-886-3088 rogcmason@aol.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Multi-Agency Participation <b>Application Area:</b> Training, Exercise	<b>Training Type It Supports:</b> Drills, TTX, FE <b>Functional Area(s) It Supports:</b> Fire, Law Enforcement, Public Safety Communications <b>Primary Target Audience:</b> First Responders, Commanders, and Local Officials
<b>Product Description:</b> <p>MLADS is a board game designed to teach and exercise decision making in the context of a school violence scenario (an active shooter in the school). Currently MLADS is focused at two layers of decision makers in fire, law enforcement, and public safety communication disciplines. The game emphasizes effective incident command system (ICS) and unified command (UC) operation.</p> <p>The game consists of a 3-D representation of a school and its immediate neighborhood, about 2-3 blocks in all directions. To date, CIR has developed versions for Burbank, CA and New Brunswick, NJ that use an actual school and the actual streets and houses in the surrounding neighborhood.</p> <p>MLADS emphasizes how sensitive this situation is to initial conditions, so decisions made early on will generate large effects later. Thus the scenario focuses on the initial 1-2 hours at the scene. The scenario is described by the facilitator, who provides new events as the situation unfolds and can redirect the scenario as needed, based on player actions.</p> <p>The facilitator determines how events will proceed, based on a general list of scenario events. This involves identifying in advance some key skill sets: evacuate school, look for gunman, and control scene.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Enhanced Communication T&amp;E</p>	
<b>Version:</b> N/A <b>Date Evaluated:</b> November 14, 2002	

<b>Product Name:</b> National Security Network (NSN)	
<b>Company:</b> Boeing-Autometric 7702 Boston Rd. Springfield, VA 22153 <b>Web site:</b> <a href="http://www.autometric.com">http://www.autometric.com</a>	<b>Contact Info:</b> Marcy Lewis Tel.: 703-270-6687 Marcia.a.lewis@boeing.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>GOTS/COTS:</b> COTS <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Awareness, TTX, Distributed Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> Government Administration, Public Safety Communication <b>Primary Target Audience:</b> Federal Officials
<b>Product Description:</b> <p>The National Security Network (NSN) is an exercise tool that combines a content management system and a master scenario event list scheduler (MSEL). It is a set of HTML coded Web pages and templates, combined in a single user interface and hosted on a LAN. It is used to drive a classroom exercise via scenario injects. The NSN is currently used to support an annual simulation exercise at the National Defense University regarding policy decision making in national/international security matters. The software application is accessed through a standard Web browser (MS Explorer), providing an integrated gateway for instructors, staff, and students to the MSEL and reference information, as well as providing associated software applications for data retrieval, editing, email, and other functions.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> N/A <b>Date evaluated:</b> September 5, 2003	

<b>Product Name:</b> NBC CTS 2000 (Note that the name may change in future)	
<b>Company:</b> Army Medical Department Center & School, Battle Simulation Center AMEDDC&S Battle Simulation Center Fort Sam Houston, TX 78234 <b>Web Site:</b> <a href="http://www.cs.amedd.army.mil/simcenter/NBC%20CTS.htm">http://www.cs.amedd.army.mil/simcenter/NBC%20CTS.htm</a>	<b>Contact Information:</b> William J. McCormick Training Systems Analyst/Webmaster, DAC Office: 210-221-0944 Mobile: 210-559-6395 <a href="http://www.cs.amedd.army.mil/simcenter">http://www.cs.amedd.army.mil/simcenter</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Multi-User Team, Multi-Agency Participation <b>Application Area:</b> Exercise	<b>Training Type It Supports:</b> Part-Task Training, Pre-Training, FSE, FSE Reinforcement, Distributed/Collaborative Exercise <b>Functional Area(s) It Supports:</b> EMS, EMA, Healthcare, Public Health <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, and Federal Officials
<b>Product Description:</b> NBC CTS is a role- and task-based simulation that supports training of Army medical personnel in the diagnosis, treatment, and management of mass casualties generated from the use of nuclear, biological, and/or chemical weapons as well as other disasters/injuries. Players take on the roles of various Army medical personnel who would have casualty case responsibilities in the event of such an attack. It is task oriented in that the simulation projects updated data (e.g., reduction in personnel), and it takes into consideration amount of time to complete a task. It can be used to develop training and exercises. It serves as a decision support tool for command control personnel (such as EOC personnel) and can be used for stand-alone exercises.	
<b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&E; Hospital T&E; Part-Task Training; Pre-Training; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> NBC CTS <b>Date Evaluated:</b> March 4, 2003	

<b>Product Name:</b> OpsCenter (OPSC)	
<b>Company:</b> Alert Technologies Corporation 7709 Wexford Way Port St. Lucie, FL 34986 <b>Web site:</b> <a href="http://www.alerttech.com/products_main.htm">http://www.alerttech.com/products_main.htm</a>	<b>Contact Info:</b> Joseph Santamaria Vice President Business Development 7709 Wexford Way joseph.santamariajr@alerttech.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Operational	<b>Training Type it Supports:</b> Drills, TTX, FE, FSE, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> Real-time, Internet-based, information management system designed for use during actual emergencies (i.e., Operational Tool). It was designed to aid organization of response details electronically and to replace chalkboards, grease boards, flip charts, and paper updates. Users assume their normal roles, and tasks can be managed via chronologically arranged checklists (requires user input/update; i.e., not automatic). <b>Advantageous MS&amp;G Features:</b> User Specific Performance; Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 2.3 with Service Pack 1 <b>Date evaluated:</b> August 25, 2003	



<b>Product Name:</b> Planning Alternatives for Interdicting National Terrorism (PAINT)	
<b>Company:</b> Roland Associates 500 Sloat Avenue Monterey, CA 93940 <b>Web site:</b> www.rolands.com	<b>Contact Info:</b> Dr. Ronald J. Roland Ph: 831-373-2025 president@rolands.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> N/A <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Environment:</b> N/A	<b>Training Type it Supports:</b> N/A <b>Functional Area(s) it Supports:</b> N/A <b>Primary Target Audience:</b> N/A
<b>Product Description:</b> PAINT was developed over 10 years ago for a private client. It was a one-sided game with a semi-automated opponent. It is no longer in production, and information on this product is not available. <b>Advantageous MS&amp;G Features:</b> Insufficient information to make observations.	
<b>Version:</b> <b>Date evaluated:</b> December 19, 2003	

<b>Product Name:</b> Pollution Incident Simulation, Control, and Evaluation System (PISCES)	
<b>Company:</b> Transas (USA) Inc. 19105 36 <sup>th</sup> Ave. W., Suite #101 Lynnwood, WA 98036 <b>Web Site:</b> <a href="http://www.transas.com">http://www.transas.com</a>	<b>Contact Information:</b> Virtual Planet Services, David S. Nieri 516-674-3626 (Phone) 928-222-2816 (Fax) vplanet2000@yahoo.com dnieri@transasusa.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team <b>Application Area:</b> Training, Exercise, Operational, Analysis	<b>Training Type It Supports:</b> Drills, TTX, FE, FSE, FSE Reinforcement, National Training Exercise <b>Functional Area(s) It Supports:</b> EMS, EMA, Fire, Government Administration, Healthcare, HazMat, Law Enforcement, Public Health, Public Safety Communications, and Public Works <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<p><b>Product Description:</b> PISCES is a complex simulation-based system originally designed to develop and control large-scale multi-agency response-preparedness exercises for the U.S. Coast Guard; it is being expanded to address other types of incidents including WMD (PISCES2). It includes a variety of exercise development, control, simulation, data collection and AAR capabilities.</p> <p>PISCES includes control, monitoring, AAR, geoplot and status displays, as well as GPS monitoring link to real on-scene assets. The system uses simulation models, scripts, and real-time control inputs. There are manual and automatic/semi-automatic control of resources and other time-dependent scenario actions/events.</p> <p>The system can be used to support development of FSEs, conduct FSEs, and evaluate response plans.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Remote Observation; Enhanced Communication T&amp;E</p>	
<b>Version:</b> PISCES2 <b>Date Evaluated:</b> February 25, 2003	

<b>Product Name:</b> Post-Engagement Ground Effects Model (PEGEM)	
<b>Company:</b> BAE Systems Inc.  <b>Web site:</b> <a href="http://www.mevatec.com/pegem/main.htm">http://www.mevatec.com/pegem/main.htm</a>	<b>Contact Info:</b> William Moore 1525 Perimeter Parkway Huntsville, AL 35806 256-890-8071 William.k.moore@baesystems.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercising, Operational, Analysis	<b>Training Type it Supports:</b> Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> Tool that models the hazard effects (3-D) of chemical, biological, and high explosive effects. It incorporates digital terrain and weather data. Applications include missiles, battlefield weapons, and storage facilities. It also provides predictions of urban setting transport, contamination footprints, evacuation routes, and backtrack of sensor readings for two or more separate unknown locations. It has built in spatial GPS data for the planet and urban GIS for Washington D.C., Chicago, Anytown USA, and Baghdad (any urban terrain can be modeled per user's request). <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 5.0 <b>Date evaluated:</b> August 25, 2003	

<b>Product Name:</b> Post Incident Review for Emergency Command Training (PIRFECTION)	
<b>Company:</b> FAAC Inc. 1229 Oak Valley Drive Ann Arbor, MI 48108 <b>Web site:</b> <a href="http://www.faac.com">http://www.faac.com</a>	<b>Contact Info:</b> James Naatz Tel. (800) 506-9365 <a href="mailto:James.naatz@faac.com">James.naatz@faac.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Awareness, Part-Task Training, Pre-Training, Drills, FE <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials
<b>Product Description:</b> The PIRFECTION Incident Command Simulator is designed to augment classroom training and actual experiences by enabling the training of proper decision making to potentially dangerous conditions. The simulator provides situational awareness training, resource management training, and judgment training. The training scenarios contained in the prototype version focus on aircraft and structural fires. The design of the simulator can support the development of a wide variety of scenarios, including hostage situations, and WMD. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Remote Observation; Enhanced Communication T&E; Part-Task Training, Pre-Training	
<b>Version:</b> Prototype <b>Date evaluated:</b> December 3, 2003	

<b>Product Name:</b> PowerSTRIPES	
<b>Company:</b> AcuSoft, Inc. 13501 Ingenuity Drive, Suite 200 Orlando, FL 32828 <b>Web site:</b> <a href="http://www.acusoft.com/products/powerstripes/">http://www.acusoft.com/products/powerstripes/</a>	<b>Contact Info:</b> Bruce Leistikow 407-658-9888 x 103 <a href="mailto:brucel@acusoft.com">brucel@acusoft.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Observer Tool) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Environment:</b> Analysis	<b>Training Type it Supports:</b> Awareness, Drills, FSE Reinforcement, Distributive Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders
<b>Product Description:</b> Tool provides 3-D visualization of simulation exercises and automated AARs. It is currently used for observing, recording, reviewing, and analyzing simulated military exercises. It enables an observer to integrate a 2-D map view display and 3-D stealth view of an exercise with the exercise database that is recorded during execution of the exercise. Following the exercise, a user can replay simulated events as they occurred, to include synchronization of the 2-D map and 3-D stealth views executed during the exercise. PowerSTRIPES also provides the ability to generate AAR briefings composed of map views, predefined database reports, task organization views of the exercise forces, movement/snail trails, animated playbacks, and boilerplate presentation slides. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Automated Recording of Learner Unit Information Sharing, Remote Observation	
<b>Version:</b> 2.5 <b>Date evaluated:</b> October 29, 2003	

<b>Product Name:</b> Quick Urban and Industrial Complex (QUIC) Dispersion Modeling System	
<b>Company:</b> Los Alamos National Laboratory Los Alamos, NM 87545  <b>Web site:</b> <a href="http://www.lanl.gov/source/orgs/d/d4/atmosphere/chbio.html">www.lanl.gov/source/orgs/d/d4/atmosphere/chbio.html</a>	<b>Contact Info:</b> Michael Brown Group D-4 Mail Stop F604 Los Alamos National Laboratory Alamos, NM 87545 mbrown@lanl.gov
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual <b>Application Environment:</b> Operational, Analysis	<b>Training Type it Supports:</b> <i>Possibly</i> Awareness, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise  <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector  <b>Primary Target Audience:</b> Local Officials, State Officials, Federal Officials
<b>Product Description:</b> QUIC is an urban fast-response transport and dispersion modeling system (i.e., plume model) that computes 3-D wind patterns and dispersion of airborne contaminants around clusters of buildings. The system is composed of the following: <ul style="list-style-type: none"> <li>- Graphical user interface (QUIC-GUI).</li> <li>- Wind model (QUIC-URB).</li> <li>- Dispersion model (QUIC-PLUME).</li> </ul> The system runs quickly (generally in real time) on a laptop computer. This type of model can support real-time applications, such as analysis, classroom instructor's aid, and training/exercising scenarios. QUIC is intended for use in planning, assessment, and emergency response scenarios. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 2 <b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> Tom Clancy's Rainbow Six	
<b>Company:</b> Red Storm Entertainment 3200 Gateway Ctr. Blvd., Suite 100 Morrisville, NC 27560 <b>Web Site:</b> <a href="http://www.redstorm.com">www.redstorm.com</a>	<b>Contact Information:</b> <a href="http://support.ubi.com">http://support.ubi.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Entertainment) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group, Small Multi-User Team, Large Multi-User Team <b>Application area:</b> Entertainment	<b>Training Type It Supports:</b> <i>Possibly</i> Awareness, Part-Task Training, Pre-Training <b>Functional Area(s) It Supports:</b> N/A <b>Primary Target Audience:</b> N/A
<p><b>Product Description:</b> Rainbow Six is a computer action game based on a Tom Clancy Novel and designed for entertainment purposes. The Rainbow Six game places the user in tactical command of a team of counter-terrorist operatives, much like a military combat unit or a SWAT team. There are 16 missions, each with objectives that are explained in a briefing, which is presented in both text and audio formats to the user. After listening to the briefing and completing a planning stage, the action begins. The user is part of the attack and sweeps through a structure, shooting terrorists along the way. The challenge is to kill the terrorists without being killed oneself and to learn how to do things such as open doors, disable bombs and security systems, and use all the commands available in the game.</p> <p>The primary focus of this game is tactical; players plan the attack, distribute resources (personnel, materiel, and weapons), create redundancies, and try to get the teams to work together. There are bio-hazards that can kill a player who does not have PPE. The missions are pre-defined, and a player must complete each one successfully in order to move on to the next one. Missions can be replayed as often as a player chooses.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Remote Observation; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> Rainbow Six (first version) and Demo for Rainbow Six: Raven Shield (version three) <b>Date Evaluated:</b> March 4, 2003	

<b>Product Name:</b> RAMSAFE	
<b>Company:</b> RAMSAFE Technologies 9434 Deschutes Rd., 3225 Shallowford Rd., Ste. 700 Marietta, GA 30062 800-477-8778 770-977-7233 770-579-5955 fax <b>Web site:</b> www.ramsafe.com	<b>Contact Info:</b> 3225 Shallowford Rd., Ste. 700 Marietta, GA 30062 800-477-8778 770-977-7233 770-579-5955 fax info@ramsafe.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Exercise, Operational, Analysis	<b>Training Type it Supports:</b> Drills, TTX, FE, FSE Reinforcement, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> RAMSAFE is a real-time software database management tool that can be used at all phases of an incident: pre-incident planning and preparation, incident response, and recovery. RAMSAFE acts as a framework and repository of information that is populated by the customer. Users can create one or multiple Web portals and secure access to specific people. RAMSAFE provides live updates, which can be accessed via the Web portal.  RAMSAFE includes the bio-terrorism response template, which predicts casualties and response/resource requirements for an incident. It can forecast events based on different sets of variables, such as biological agent, number of infected individuals, available medical resources, and community population. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support	
<b>Version:</b> <b>Date evaluated:</b> September 11, 2003	



<b>Product Name:</b> Regional Atmospheric Modeling System (RAMS)	
<b>Company:</b> ATMET, LLC PO Box 19195 Boulder, CO 80308-2195 <b>Web site:</b> www.atmet.com	<b>Contact Info:</b> Craig Tremback ATMET, LLC PO Box 19195 Boulder, CO 80308-2195 tremback@atmet.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> <i>Possibly</i> Individual, Group, Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Analysis	<b>Training Type it Supports:</b> <i>Possibly</i> Awareness, Part-Task, Pre-Training, Drills, TTX, FE, FSE, FSE Reinforcement, Distributed Collaborative, National Training Exercise <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> <i>Possibly</i> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b>	
<p>RAMS is a highly versatile numerical code originally developed by scientists at Colorado State University and the *ASTER division of Mission Research Corporation for simulating and forecasting meteorological phenomena and for depicting the results. The RAMS model generates predicted weather data over time periods ranging from seconds to years, for various area sizes and topography, and at high grid resolutions (e.g., 500-meter and higher resolution grids). The database generated by RAMS can be used to specify weather conditions at specific predicted times or can act as inputs to dispersion models (i.e., plume models). Hence, RAMS can be used as an operational tool, an analysis tool, and as a training tool (alone, or integrated with other simulation tools).</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support</p>	
<b>Version:</b> 4.4	
<b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> Response Information Folder System (RIFS)	
<b>Company:</b> ALION Science and Technology 1901 N. Beauregard St., Suite 400 Alexandria, VA 22311 703-933-3323 703-933-3325 fax 888-566-7672 <b>Web site:</b> <a href="http://www.msiac.dmsso.mil">www.msiac.dmsso.mil</a> <a href="http://www.alionscience.com">www.alionscience.com</a>	<b>Contact Info:</b> ALION Science and Technology 1901 N. Beauregard St., Suite 400 Alexandria, VA 22311 703-933-3323 703-933-3325 fax 888-566-7672 msiac@msiac.dmsso.mil
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group, Multi-Agency Participation <b>Application Environment:</b> Exercise, Operational, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, TTX, and FSE Reinforcement <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, and Federal Officials
<b>Product Description:</b> <p>RIFS was designed to implement the Los Angeles County Sheriff's Department of Terrorism Early Warning Group's 23 target folder information categories. It integrates 3-D immersive images of terrain and buildings with critical information about specific buildings and locations. RIFS can be used for response planning, course of action analysis, operations, and training. It provides key information that first responders want in an incident, such as a response resource list and information on surrounding microclimates (winds), which helps with planning evacuations. The resource list has detailed information about a site or a building and what is nearby. Playbooks listing standardized practices and procedures for various incidents can be linked through RIFS.</p> <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Part-Task Training; Pre-Training	
<b>Version:</b> 1.7 <b>Date evaluated:</b> September 25, 2003	

<b>Product Name:</b> RestOps SRC	
<b>Company:</b> Visual Purple, Inc. 6633 Bay Laurel Dr., 2nd Floor, PO Box 465 Avila Beach, CA 93424 <b>Web site:</b> <a href="http://www.visualpurple.com/pages/products.htm">http://www.visualpurple.com/pages/products.htm</a>	<b>Contact Info:</b> John Creger Tel.: 805-595-7579 Ext. 115 Email: <a href="mailto:john.creger@visualpurple.com">john.creger@visualpurple.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Self Guided Training) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training	<b>Training Type it Supports:</b> Equipment Training, Part-Task Training, Drills <b>Functional Area(s) it Supports:</b> EMA, HazMat, Public Works, Transportation <b>Primary Target Audience:</b> <i>Possibly</i> First Responders, Commanders
<b>Product Description:</b> <p>RestOps is designed to familiarize combat service support staff in the operation of an Oracle software application used for airbase operability called SRC Command3 (SRC3), covering such areas as civil engineering, fire fighting, and explosive ordnance disposal. The instructional approach and mode of delivery are relevant to domestic preparedness training. The instructional approach includes the use of an incident response scenario that is videotaped for multiple learning segments that are cued by student decisions. The video scenario helps to provide the context for the emergency and to impart some of the stress that may be experienced under such conditions. This can aid in providing training "realism" and potentially motivate greater interest in the learning process. The part of the tutorial that emulates the Oracle SRC3 system can be replaced with dynamic content for essentially any other type of incident response system or application. Given such changes, the CD-ROM based tutorial could be used as a readily distributed means of providing self-guided training related to such areas as EOC operations, dispatch, or other key operational response functions.</p>	
<b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Part-Task Training	
<b>Version:</b> Rev.# 082003 <b>Date evaluated:</b> November 14, 2003	

<b>Product Name:</b> S3 Exercise (S3)	
<b>Company:</b> International Safety Research Inc. (ISR) 457-A Sussex Dr, 2 <sup>nd</sup> floor Ottawa, Ontario Canada K1N 6Z4 530-547-3730 <b>Web site:</b> www.i-s-r.ca	<b>Contact Info:</b> Francois Lemay, Director ISR 613-241-4884 fax: 613-241-1250 cell: 613-282-4885 FrancoisLemay@i-sr.ca
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Consequence Assessment Model) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Group, Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Part-Task Training, Drills, TTX, FE, FSE, Distributed Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMA, Government Administrator, HazMat, Public Health, Public Safety Communications, Public Works <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> <p>S3-Exercise is a PC-based computer simulation that can be used as a tool by controllers or trainers during a radiological table top, full scale, or functional exercise. Users can create a simulated radiological incident by choosing the location and time of release, as well as amount of radiation released, the shape of the plume, and duration of the event. Users can also choose meteorological conditions that will affect the plume over time. There is an option for deposition of environment such as open grassland or an urban area. Typically users purchase International Safety Research Inc. (ISR) maps of their community to be used with the program. Therefore, users can produce simulated radiological releases over any part of the community. With this program, a real-time drill can be created in less than an hour. Traditionally, drills featuring radiological dispersion devices were time-consuming to create as someone had to do all of the calculations that create the instrument readings and the scenario.</p> <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support; Part-Task Training	
<b>Version:</b> <b>Date evaluated:</b> August 28, 2003	

<b>Product Name:</b> San Luis Rey (SLR)	
<b>Company:</b> Teleologic, for the Naval Postgraduate School P.O. Box 166 114 SW Arch St Atlanta, IL 61723 21-/648-5077 <b>Web site:</b> <a href="http://www.teleologic.net">http://www.teleologic.net</a>	<b>Contact Info:</b> Craig Baldwin P.O. Box 25 Pomfret, CT 06258 860-963-7707 cbaldwin@teleologic.net
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Human Adjudicated) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, Distributed/Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> <p>SLR is a hypothetical city that is used by several courses throughout the Naval Post-Graduate School (NPS) Homeland Security (HLS) master's degree program. Right now, the first generation of SLR consists of various 2-D maps and background information about the city, county, and two neighboring states. This information includes history of the area, information about personalities of key personnel, information about local services, and HLS plans for the city, county, and states.</p> <p>The curriculum is designed to move the students from tactical level thinking and decision making to an operational/strategic level that focuses on policies and assessment vs. actions. San Luis Rey is implemented as a component of a network-based learning environment that includes a digital library, collaboration tools, and scenarios that rely on SLR information.</p> <p>Currently, SLR is used to promote discussion and decision making among teams of students with a fixed environment and scenario elements layered over it.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Part-Task Training; Pre-Training; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> 2.5 <b>Date evaluated:</b> June 26, 2003	

<b>Product Name:</b> Scenarios	
<b>Company:</b> Wisdom Tools 501 N. Morton St., Suite 102 Bloomington IN 47404 <b>Web site:</b> <a href="http://www.wisdomtools.com">http://www.wisdomtools.com</a>	<b>Contact Info:</b> Gale Nichols, VP Finance and Admin 812/855-8632 gale.nichols@wisdomtools.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Pre-Training <b>Functional Area(s) it Supports:</b> Private Sector and <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation <b>Primary Target Audience:</b> <i>Possibly</i> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> Wisdom Tools uses Scenarios 4.0 to create distributed collaborative multimedia environments customized for specific clients—there is no off-the-shelf product. The resulting scenario is an engaging story about various characters covering several events. Scenario events may be text, audio, or video. Items associated with an event can be quizzes, questions for consideration, or surveys. This product has potential for disseminating lessons learned and reusing exercise experiences, by taking real-world exercise or operational experiences and turning them into scenario events with appropriate reflective questions for the user. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Pre-Training; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 4.0 <b>Date evaluated:</b> December 19, 2003	

<b>Product Name:</b> ScribeVision Technologies	
<b>Company:</b> ScribeVision Technologies Inc. 144 Chippewa Avenue Tampa, FL 33660-3520 <b>Web site:</b> <a href="http://www.scribevision.com">http://www.scribevision.com</a>	<b>Contact Info:</b> Ted Wilhite 813-380-4002 <a href="mailto:tedw.rtw@gte.net">tedw.rtw@gte.net</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Group, Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Exercise, Operational	<b>Training Type it Supports:</b> Drills, TTX, FE, FSE, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> <p>“Commercial Web-based command and control/decision support system.” Designed to convert manual reporting to an electronic platform that can be accessed by multiple users. It provides a single resource that unit commanders and training event observer/controllers can use to distribute orders, assess unit combat strength, review significant events and intelligence reports, monitor subordinate element activities, and combine data elements from current and legacy C4I systems.” It is also marketed as a distributed planning tool and job aid. Vendor also provides complete live exercises (tool can be linked with vehicle and/or individual responder tracking devices) that include scenario development and exercise support staff.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing, Remote Observation; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> ScribeVision Technologies <b>Date evaluated:</b> November 10, 2003	

<b>Product Name:</b> SEAS/Homeland Security Simulation	
<b>Company:</b> Simulex, Inc. Purdue Technology Center 3000 Kent Avenue West Lafayette, IN 47906 Phone: (765) 463-2690 Fax: (765) 463-2699 <b>Web site:</b> <a href="http://www.seasllc.com">http://www.seasllc.com</a>	<b>Contact Info:</b> Alok Chaturvedi, Ph.D. (Chief Technology Officer) Shailendra Raj Mehta, Ph.D. (Chief Economist)  Phone: (765) 463-2690 Email: <a href="mailto:alok@simulexinc.com">alok@simulexinc.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Computer Adjudicated) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Exercise, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, TTX, FE, FSE Reinforcement, Distributed Collaborative Exercises, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> SEAS is a flexible agent-based simulation that can be extensively customized by the user or developer. The simulation engine is integrated with multiple models: geography and infrastructure, mobility, well being of people, epidemiological, radiological, and transportation to simulate a variety of incidents and their economic effects. SEAS allows integration across models, and effects can be intertwined across models including psychological models (simulates changes in behavior: panic, rioting, clustering, crowd behavior) at varying levels of detail, with a variable number of agents. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Remote Observation; Part-Task Training; Pre-Training; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 2.5 <b>Date evaluated:</b> June 26, 2003	



<b>Product Name:</b> Security and Emergency Response Information System (SERIS)	
<b>Company:</b> US ARMY ARDEC, Picatinny Arsenal Bldg. 95, AMSRD-AAR-AEF Picatinny, NJ 07806 <b>Web site:</b> <a href="http://www.pica.army.mil/HLD/">http://www.pica.army.mil/HLD/</a>	<b>Contact Info:</b> Ms. Beverly Laidig, Development Project Officer (DPO) Tel #: 973-724-3018, email: <a href="mailto:blaidig@pica.army.mil">blaidig@pica.army.mil</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Operational, Analysis	<b>Training Type it Supports:</b> FE, FSE, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMA, Government Administration, HazMat <b>Primary Target Audience:</b> First Responders, Commanders, Federal Officials
<b>Product Description:</b> The Security and Emergency Response Information System (SERIS) is a prototype situational awareness, control, tracking, and decision support system for Homeland Security and Incident/Emergency Response operations by local and regional emergency management agencies. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Simulation Support; Enhanced Communication T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 1.0, to be beta tested in January 2004 <b>Date evaluated:</b> December 11, 2003	

<b>Product Name:</b> SIMfX Interactive Training Simulations	
<b>Company:</b> Wildwood Resources 5590 50 <sup>Th</sup> . St. N.W. Salmon Arm, BC V1E 3A6 Canada <b>Web site:</b> <a href="http://www.simfx.com">www.simfx.com</a>	<b>Contact Info:</b> Jake Jacobson Ph/Fax: 250-832-2300 Email: <a href="mailto:info@simfx.com">info@simfx.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Planning/Presentation Tool) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Awareness, Part-Task Training, Pre-Training, Drills, TTX, FE <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> The SIMfX simulation program is geared primarily toward two main groups: first responders such as firefighters, and support staff such as incident decision makers. The program can be used for practical training exercises, for pre-planning, for enhancing overhead managements view of a situation, as a media presentation tool, as a public relations tool, and for much more. <b>Advantageous MS&amp;G Features:</b> Simulation Support; Enhanced Communication T&E; Part-Task Training; Pre-Training	
<b>Version:</b> 5.0 <b>Date evaluated:</b> December 17, 2003	

<b>Product Name:</b> SimViz/3400ICS—Custom	
<b>Company:</b> STAR Technology Corporation 8003 Forbes Place, Suite 310 Springfield, VA 22151  <b>Web site:</b> <a href="http://www.startechcorp.com/structure.htm">http://www.startechcorp.com/structure.htm</a>	<b>Contact Info:</b> Johnny Harper President and CEO <a href="mailto:jharper@startechcorp.com">jharper@startechcorp.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Multi-User Team <b>Application Environment:</b> Training, Exercise, <i>Possibly</i> Analysis	<b>Training Type it Supports:</b> Awareness, FE, <i>Possibly</i> Distributed/Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> Commanders
<b>Product Description:</b> The SimViz/3400ICS simulator is a computer-based system that provides a synthetic environment in which structure-based emergency incidents are used to train emergency response command staff in the application of the ICS.  The system can also be used to teach strike team leaders or division supervisors how to manage their response resources and make proper decisions based on the audiovisual cues they receive in a scenario.  <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; <i>Possibly</i> Hospital T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> Custom <b>Date evaluated:</b> September 11, 2003	

<b>Product Name:</b> SimViz/3400ICS—Standard	
<b>Company:</b> STAR Technology Corporation 8003 Forbes Place, Suite 310 Springfield, VA 22151 <b>Web site:</b> <a href="http://www.startechcorp.com/structure.htm">http://www.startechcorp.com/structure.htm</a>	<b>Contact Info:</b> Johnny Harper President and CEO jharper@startechcorp.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Awareness, FE <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> Commanders
<b>Product Description:</b> The SimViz/3400ICS simulator is a computer-based system that provides a synthetic environment in which structure-based emergency incidents are used to train emergency response command staff in the application of the ICS.  The system can also be used to teach strike team leaders or division supervisors how to manage their response resources and make proper decisions based on the audiovisual cues they receive in a scenario.  <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support	
<b>Version:</b> 1.0  <b>Date evaluated:</b> September 11, 2003	

<b>Product Name:</b> SimViz/3400ICS—Tailored	
<b>Company:</b> STAR Technology Corporation 8003 Forbes Place, Suite 310 Springfield, VA 22151 <b>Web site:</b> <a href="http://www.startechcorp.com/structure.htm">http://www.startechcorp.com/structure.htm</a>	<b>Contact Info:</b> Johnny Harper President and CEO jharper@startechcorp.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Small Multi-User Team <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Awareness, FE <b>Functional Area(s) it Supports:</b> EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> Commanders
<b>Product Description:</b> The SimViz/3400ICS simulator is a computer-based system that provides a synthetic environment in which structure-based emergency incidents are used to train emergency response command staff in the application of the ICS.  The system can also be used to teach strike team leaders or division supervisors how to manage their response resources and make proper decisions based on the audiovisual cues they receive in a scenario.  <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support	
<b>Version:</b> Tailored <b>Date evaluated:</b> September 11, 2003	

<b>Product Name:</b> Site Profiler Assessor	
<b>Company:</b> Digital Sandbox, Inc. 12355 Sunrise Valley Drive, Suite 501 Reston, VA 20191  <b>Web site:</b> <a href="http://www.dsbox.com/products/site_profiler_assessor.html">http://www.dsbox.com/products/site_profiler_assessor.html</a>	<b>Contact Info:</b> Charlie Dublin, Chief of Staff 703.390.9770 x105 <a href="mailto:cdublin@dsbox.com">cdublin@dsbox.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Unknown classification at time of review. <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual. <b>Application Environment:</b> Operational, Analysis	<b>Training Type it Supports:</b> <i>Possibly</i> Part-Task Training, Pre-Training, Drills, TTX, FE, FSE  <b>Functional Area(s) it Supports:</b> <i>Possibly</i> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector.  <b>Primary Target Audience:</b> <i>Possibly</i> First Responders, Commanders, Local Officials, State Officials, Federal Officials.
<b>Product Description:</b> "Tool that enables...consistent, collaborative approach to vulnerability assessment." It "provides a user-friendly, efficient job aid for assessors and enables them to seamlessly capture information and data to perform assessments—all within an intuitive, workflow-style interface. Plus, it has the added benefits of integrating analytic blast and WMD models and interfacing with the Site Profiler Enterprise Server. Using Site Profiler Assessor, vulnerability assessment teams can: introduce added structure and consistency to assessments/audits, assess against standards or organizational checklists, compare against previous audits and best practices, perform team assessments including risk analysis, simulate scenarios and weapon effects, export data and reports to Web-accessible information systems, and generate risk analysis data and reports."	
<b>Advantageous MS&amp;G Features:</b> Insufficient information to make observations (there was not enough time for vendor to participate in survey).	
<b>Version:</b> 2.0  <b>Date evaluated:</b> January 6, 2004	

<b>Product Name:</b> SoftRisk SQL (SOFR)	
<b>Company:</b> SoftRisk Technologies PO Box 20163 St. Simon Island, GA 31522 912-634-1700 912-638-3340 fax <b>Web site:</b> www.softrisk.com	<b>Contact Info:</b> Mr. Jim Fraser 613-241-4884 jfraser@softrisk.com techsupport@softrisk.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Operational, Analysis	<b>Training Type it Supports:</b> Drills, TTX, FE, Distributed/Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, and Federal Officials
<b>Product Description:</b>	
SoftRisk is a real-time emergency management software program used operationally to help a command post manage information related to an incident. It assists responders in keeping track of events, resources, equipment, and people during an incident by managing a large database that is integrated with word processing, graphic files, and mapping. Users can manage emergency operations, create standardized data collection and reports, as well as manage resources and information about resources. The program creates an audit trail, which provides users with excellent data that can later be analyzed and used to improve response plans. Users enter information about events, equipment, and people in the database during an incident, allowing them to share information with other users on the network. Once information is entered into the program, it is immediately available to all users on the system. The database is designed to be incident-centric, and information is organized and linked to a particular incident as entered by a user, such as a flood.	
<b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 5.1 SQL	
<b>Date evaluated:</b> September 2, 2003	

<b>Product Name:</b> SPECTRUM	
<b>Company:</b> Army Constructive Training Federation Directorate National Simulation Center Fort Leavenworth, KS <b>Web site:</b> <a href="http://www-leav.army.mil/nsc/famsim/spectrum/index.htm">http://www-leav.army.mil/nsc/famsim/spectrum/index.htm</a>	<b>Contact Info:</b> Tony Medici Spectrum Chief Trainer Tel.: 913-684-8123 Email: <a href="mailto:Medicia@leavenworth.army.mil">Medicia@leavenworth.army.mil</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Exercise (Computer Adjudicated) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> FE <b>Functional Area(s) it Supports:</b> EMA, Fire, Government Administrator, HazMat, Law Enforcement, Public Health, and Public Works <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b>	
<p>Spectrum is a constructive simulation exercise system developed by the National Simulation Center to provide the Army command and control training in military operations other than war. The simulation has been used to drive WMD exercises for a state emergency operations center composed of state emergency management personnel and federal officials. In addition to modeling movement, combat, and logistics operations, Spectrum also models subjective political, economic, and socio-cultural activities that may affect security and anti-terrorism decision making. Use of the system is limited to U.S. DoD and military users due to terrain generation data accessed from NIMA.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support</p>	
<b>Version:</b> 1.6.3 (14 November 2002) <b>Date evaluated:</b> September 5, 2003	



<b>Product Name:</b> STAT Care (STC)	
<b>Company:</b> RTI International Research Triangle Institute 3040 Cornwallis Rd. Research Triangle Park, NC 27709 <b>Web site:</b> <a href="http://www.patient-simulation.com/default.asp">http://www.patient-simulation.com/default.asp</a>	<b>Contact Info:</b> Paul N. Kizakevich P.O. Box 12194 RTP, NC 27709 kiz@rti.org
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Part-Task and Pre-Training, Drills, FE <b>Functional Area(s) it Supports:</b> EMS <b>Primary Target Audience:</b> First Responders
<b>Product Description:</b> <p>Interactive, virtual-reality patient simulator that presents a scenario comprising a 3-D scene, an incident that produces trauma or medical conditions, and one or more patients. The caregiver can navigate and survey the scene, interact and converse with the virtual patient, use medical devices, administer medications, monitor diagnostic data, and perform interventions. It features case-based virtual scene scenarios and one or more patients, physiology that responds to trauma and treatment, integrated pharmacokinetic drug models, and assignable probability of critical conditions.</p> <p><b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support; Hospital T&amp;E; Part-Task Training; Pre-Training</p>	
<b>Version:</b> 1.8.0 <b>Date evaluated:</b> August 26, 2003	

<b>Product Name:</b> Tennessee Emergency Management Weapons of Mass Destruction Computer Based Training CD-ROMS (TEMA)	
<b>Company:</b> Tennessee Emergency Management Agency 3041 Sidco Drive Nashville, TN 37204-1502  <b>Web site:</b> <a href="http://www.tnema.org/training/DomestPrep.Htm">www.tnema.org/training/DomestPrep.Htm</a>	<b>Contact Info:</b> Media Relations: 1-800-258-3300 Beverly Evans, Ph: 616-253-5849 Email: <a href="mailto:info@tnema.org">info@tnema.org</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Self-Guided Training) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Equipment Training, Awareness, Part-Task Training, Pre-Training <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Health Care, HazMat, Law Enforcement, Public Health, Public Works, Private Sector <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> TEMA developed this four CD-ROM set to support WMD training activities. These CDs were developed to provide the means to minimize and ensure survivability in the event an incident involved WMD. <b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Enhanced Communication T&E; Hospital T&E; Part-Task Training; Pre-Training	
<b>Version:</b> 1.0 <b>Date evaluated:</b> December 19, 2003	

<b>Product Name:</b> TUTOR	
<b>Company:</b> BCD Modeling Ltd.  <b>Web site:</b> <a href="http://www.bcd-modelling.com/tutor.html">http://www.bcd-modelling.com/tutor.html</a>	<b>Contact Info:</b> Patrick Benham-Crosswell PO BOX 136, ALTON, Hampshire GU34 1YR paddy@bcd-modelling.com +44 1420 590110
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Analysis	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training, Drills, TTX <b>Functional Area(s) it Supports:</b> EMA, Fire, Health Care, HazMat, Law Enforcement, Public Safety Communications <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b>	
<p>Simulation designed for emergency services decision makers to visualize and prepare for crisis management contingencies, such as public order and safety incidents and terrorist and firearms incidents. TUTOR was adapted from a military combat simulation developed by the UK government. It features terrain visualization, entities, activities carried out by entities, management/control of events, and operational analysis and debrief for providing assessments. It is designed for command staff and their subordinates to gain experience implementing contingency plans and experience carrying out plans despite unanticipated problems.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Enhanced Communication T&amp;E; Part-Task Training; Pre-Training</p>	
<b>Version:</b> 2.0	
<b>Date evaluated:</b> September 3, 2003	

<b>Product Name:</b> Vigilent	
<b>Company:</b> Compressus Inc. 101 Constitution Ave. NW Washington, DC 20001  <b>Web site:</b> <a href="http://www.compressus.com/index.html">http://www.compressus.com/index.html</a>	<b>Contact Info:</b> Victoria Laing, Project Manager (o) 202-742-4307 (m) 571-228-0139 <a href="mailto:vlaing@compressus.com">vlaing@compressus.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response)  <b>Commercial or Government Owned:</b> CO  <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation  <b>Application Environment:</b> Operational, Analysis	<b>Training Type it Supports:</b> Drill, TTX, FE, FSE, Distributed Collaborative Exercise, National Exercise  <b>Functional Area(s) it Supports:</b> Health Care, Public Health  <b>Primary Target Audience:</b> Local Officials, State Officials, Federal Officials
<b>Product Description:</b> Real-time surveillance and tracking tool for healthcare professionals/ decision makers to rapidly detect and identify known pathogens (i.e., identify WMD outbreak). This system can substitute paper reporting of medical surveillance based on collection of patient symptoms in the outpatient and inpatient clinical setting. Critical Care Tracking is available for the following: visual of the ambulance diversion status give EOC, ECC, and dispatch centers the ability to route patient to the appropriate facility; visual of resources, bed counts, and staffing tab (the combination of all three will give a clear picture of current capacity and surge capacity); automatic alerts for hospital diversion.  <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automated Recording of Learner Unit Information Sharing; Hospital T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> Vigilent  <b>Date evaluated:</b> November 10, 2003	

<b>Product Name:</b> Virtual Cities (VCIT)	
<b>Company:</b> Advanced Interactive Systems 1750 Tysons Blvd., 4 <sup>th</sup> Floor MacLean, VA 22102 <b>Web site:</b> <a href="http://ais-sim.com">http://ais-sim.com</a>	<b>Contact Info:</b> Mr. Robert Clover Tel.: 703-744-1034 <a href="mailto:clover@ais-sim.com">clover@ais-sim.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Other) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Group, Small Multi-User Team, Large Multi-User Team <b>Application Environment:</b> Training, Exercise, Analysis	<b>Training Type it Supports:</b> Awareness, Part-Task Training, Pre-Training, Drills, FE, FSE Reinforcement, Distributed Collaborative Exercise, National Training Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, HazMat, Law Enforcement <b>Primary Target Audience:</b> First Responders, Commanders
<b>Product Description:</b> <p>Originally developed at the Institute for Defense Analyses, Virtual Cities are high-resolution, geo-specific, immersive models of cities and select building interiors (where requested). The Virtual Cities are the synthetic environments used by manned training systems to permit the military and first responders to train in the mitigation of WMD incidents in their own locales. The product consists of software in the form of files that describe high definition, 2-D and 3-D environments that can be used for multiple purposes. Virtual Cities provide realistic, interactive 3-D environments for manned simulators; 2-D environments for scenario augmentation by way of the Semi-Automated Forces (SAF) applications and/or the VERTS Scenario Generation tool; and 3-D geometry for accurate 3-D plume dispersion modeling using computational fluid dynamics algorithms. Virtual Cities models have been integrated into prototype VERTS simulators and used by National Guard WMD Civil Support Teams to train in site reconnaissance, detection, and related training.</p> <p><b>Advantageous MS&amp;G Features:</b> Part-Task Training; Pre-Training</p>	
<b>Version:</b> Specific cities and locales are available <b>Date evaluated:</b> September 5, 2003	

<b>Product Name:</b> Virtual Clinic	
<b>Company:</b> RTI International 3040 Cornwallis Road Research Triangle Park, NC 27709 <b>Web site:</b> <a href="http://www.patient-simulation.com/default.asp">http://www.patient-simulation.com/default.asp</a>	<b>Contact Info:</b> Paul N. Kizakevich 919.541.6639 <a href="mailto:kiz@rti.org">kiz@rti.org</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training	<b>Training Type it Supports:</b> Part-Task Training, Pre-Training <b>Functional Area(s) it Supports:</b> Health Care <b>Primary Target Audience:</b> <i>Possibly</i> First Responders
<p><b>Product Description:</b> Virtual Clinic is an interactive, 3-D model of a patient presenting in a primary care setting. It is a virtual patient simulator for training clinicians in identifying and treating bioterrorism or other diseases. Each patient may present at different stages of disease with a chief complaint, vital signs, and animated clues such as hyperventilation, coughing, and sneezing. The clinician makes inquiries regarding medical history and physical condition, orders diagnostic and lab tests, enters differential diagnoses, and plans treatment and patient management. The patient's medical record is updated as new findings become available. Clinical findings are taken from actual case studies.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Hospital T&amp;E, Part-Task Training, Pre-Training</p>	
<b>Version:</b> Research Prototype <b>Date evaluated:</b> November 26, 2003	

<b>Product Name:</b> Virtual Emergency Response Training Simulation (VERTS)	
<b>Company:</b> U.S. Department of Defense Program Executive Office, Simulation, Training and Instruction (PEO STRI) U.S. Army PEO STRI Orlando, Florida 32826	<b>Contact Information:</b> Major Lee Dunlap, S-CATT/ VERTS Project Director 407-384-5358 <a href="mailto:Lee_Dunlap@peostri.army.mil">Lee_Dunlap@peostri.army.mil</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Group, Small Multi-User Team <b>Application Area:</b> Training, Exercise, Analysis	<b>Training Type It Supports:</b> FE, Distributed Collaborative Exercise <b>Functional Area(s) It Supports:</b> EMS, EMA, Healthcare, HazMat, Law Enforcement, Public Health, Public Works <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> VERTS is intended for consequence management preparedness training of first responders and ICS staff for WMD events. VERTS is a virtual 3-D simulation that provides a realistic representation of specific cities, including roads, building exteriors and some interiors, as well as other key geo-cultural features. VERTS combines a constructive simulation with a 3-D synthetic environment. The constructive simulation maintains the terrain database, entity behaviors, and models of incident effects. The virtual reality "immersion" stations enable users to interact with the constructive simulation. Trainees control avatars in the synthetic environment, some of which are controlled by motion sensors on human-in-the-loop operators (e.g., a user can move towards a chemical spill and use detection equipment). VERTS is currently a prototype system seeking federal funding to develop this technology into production systems for deployment at National Guard, active, and reserve military sites. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Simulation Support; Remote Observation; Enhanced Communication T&E	
<b>Version:</b> Prototype <b>Date Evaluated:</b> April 11, 2003	

<b>Product Name:</b> Virtual Terrorism Response Academy (VTRA)	
<b>Company:</b> Program on Counter-terrorism Preparedness and Training, Institute for Security Technology Studies, Dartmouth College and Interactive Media Laboratory, Dartmouth Medical School  One Medical Center Drive Colburn Hill Bldg. STE 204 Lebanon, NH 03756-0001  <b>Web site:</b> <a href="http://iml.dartmouth.edu">http://iml.dartmouth.edu</a>	<b>Contact Info:</b> Dr. Joe Henderson (603) 653-1500 <a href="mailto:joe.henderson@iml.dartmouth.edu">joe.henderson@iml.dartmouth.edu</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> CO and GO <b>Media Scale:</b> Individual <b>Application Environment:</b> Training, Exercise	<b>Training Type it Supports:</b> Equipment Training, Awareness, Part-Task Training, Pre-Training, Drills <b>Functional Area(s) it Supports:</b> EMS, Fire, HazMat, Law Enforcement, Private Sector <b>Primary Target Audience:</b> First Responders
<p><b>Product Description:</b> VTRA is a training system configured for use on a PC with the student interacting via a display and typical input devices. It includes the use of virtual mentors and instructors who work with and guide the student, a learning institution-like virtual environment in which the training takes place, a simulation lab in which the student participates in applied real-time scenarios, and a focus on applied experiential learning. The content is provided by CD-ROM media or transmitted over the Internet. The major component is a robust Advanced Distance Learning infrastructure termed the VTRA. It consists of reusable, effective, high-quality instructional and multimedia designs and an underlying set of technological capabilities and tools.</p> <p>The training takes place in a progressive fashion, with the student moving through pre-planned activities and interacting with various experts. In the final segment of training, after the student has obtained a key, the student participates in simulated realistic incident situations. The training relies on use of high quality video and audio of "mentors" and instructors, as well as action scenes to advance the "plot" of simulations. This, in addition to other graphic, audio, and text elements, creates an immersive multimedia environment conducive to experiential learning.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Enhanced Communication T&amp;E; Part-Task Training; Pre-Training</p>	
<b>Version:</b> N/A <b>Date evaluated:</b> December 2003	



<b>Product Name:</b> Weapons of Mass Destruction Decision Analysis Center (WMD-DAC)	
<b>Company:</b> Sandia National Laboratory Advanced Concepts Group PO Box 969 MS 9201 Livermore, CA 94551-0969 <b>Web site:</b>	<b>Contact Info:</b> Howard Hirano Advanced Concepts Group Manager Tel.: (925) 294-2053 Email: hhhiran@sandia.gov
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Interactive (Virtual Simulation) <b>Commercial or Government Owned:</b> GO <b>Media Scale:</b> Individual, Group, Small Multi-User Team <b>Application Environment:</b> Analysis	<b>Training Type it Supports:</b> TTX, Distributed/Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMA, Government Administrator, Public Health <b>Primary Target Audience:</b> Local Officials, State Officials, Federal Officials
<b>Product Description:</b> <p>The WMD-DAC, in its current form, is a prototype planning and analysis system that addresses the early identification of public health threats. It eliminates "artificialities" by using actual health and census data to replicate the exact flux of patients in a given time period. The system is an interactive simulation, running in either a stand-alone or distributed mode that models an anthrax attack. It requires the main user, in a public health officer role, to interpret hospital data and choose prophylaxis strategy. As a departure from typical deterministic tabletop exercises, the role player makes decisions that alter the outcome of the simulation (i.e., population morbidity and mortality are stochastic variables). The system is broadly applicable to state and local public health and emergency management agencies but requires actual health records to achieve the intended degree of realism.</p> <p><b>Advantageous MS&amp;G Features:</b> Records User-Specific Performance; Requires Active User Decision Making; Simulation Support; Hospital T&amp;E; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> Prototype <b>Date evaluated:</b> August 8, 2003	

<b>Product Name:</b> Web EOC Standard (WEOC)	
<b>Company:</b> Esi®--Emergency Services Integrators 699 Broad St. Suite 1011 Augusta, GA 30901  <b>Web site:</b> <a href="http://www.esi911.com/esi/products/webeoc.shtml">http://www.esi911.com/esi/products/webeoc.shtml</a>	<b>Contact Info:</b> John O'Dell 800-596-0911 jodell@esi911.com
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response)  <b>Commercial or Government Owned:</b> CO  <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation  <b>Application Environment:</b> Exercise, Operational	<b>Training Type it Supports:</b> Drill, TTX, FSE, Distributed Collaborative Exercise, National Training Exercise  <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works, Transportation, Private Sector  <b>Primary Target Audience:</b> Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b>	
<p>Web-based information management system providing real-time access to emergency information that can be simultaneously shared among emergency response teams, decision makers, and supporting organizations during the planning, response, and recovery phases of emergencies. It features automatic update of information displays (e.g., information tracking status reports) as different users (who can be remotely located) input information via status boards. The tool was designed for use with overhead projections, but this is not a requirement. It also contains a simulation template for exercise conduct. The user inputs expected actions at identified times, and the simulation populates status boards to prompt player actions.</p> <p><b>Advantageous MS&amp;G Features:</b> Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&amp;E; Distributed/Collaborative Decision Making Environment</p>	
<b>Version:</b> 5.6	
<b>Date evaluated:</b> May 22, 2003	

<b>Product Name:</b> WMD Basic Awareness Training Interactive CD	
<b>Company:</b> Paratus Associates, LLC JITL.MPL.COM 304-472-9520 Ken Sharp 412-268-2613 <b>Web Site:</b>	<b>Contact Information:</b> Roger Dannenberg 412-268-3827 <a href="mailto:rbd@cs.cmu.edu">rbd@cs.cmu.edu</a> <a href="mailto:ks5d@andrew.cmu.edu">ks5d@andrew.cmu.edu</a> ; <a href="mailto:jitl-list@cs.cmu.edu">jitl-list@cs.cmu.edu</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Dynamic Media (Self-Guided Training) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Individual, Group <b>Application Area:</b> Training	<b>Training Type It Supports:</b> Awareness, Pre-Training <b>Functional Area(s) It Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Law Enforcement, Public Health, Public Safety Communications, Public Works <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, and Federal Officials
<p><b>Product Description:</b> WMD Basic Awareness Training Interactive CD-ROM is a computer-based application displayed using the freely downloadable Just In Time Lectures (JITL) player (included in the CD-ROM) that also supports URL (Universal Resource Locator) addresses that call up browsers, media players, and email clients as needed. The media player software (and the required QuickTime installation kit) is included. The training was designed to run on Windows 3.1 and subsequent versions.</p> <p>The training was specifically designed to focus on disaster preparedness for WMD. It is in a lecture format. It consists of basic-level, awareness-independent modules that provide definitions and examples of chemical properties, chemical agents, biological agents, incendiary and explosive, and nuclear/radiological agents as well as information on safety and personnel protection. There is a discussion of key agency roles and responsibilities and crisis and consequence management with a focus on federal and general first responder roles.</p> <p><b>Advantageous MS&amp;G Features:</b> Pre-Training</p>	
<b>Version:</b> 0.3 <b>Date Evaluated:</b> February 25, 2003	

<b>Product Name:</b> WorldReach	
<b>Company:</b> WorldReach Software Corporation 1420 Blair Place, Suite 500 Ottawa, Ontario, K1J 9L8  <b>Web site:</b> <a href="http://www.worldreachsoftware.com/emergency/?id=emerg_intro">http://www.worldreachsoftware.com/emergency/?id=emerg_intro</a>	<b>Contact Info:</b> Gordon Wilson, President 613-742-6482 <a href="mailto:gordw@amita.com">gordw@amita.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Incident Response)  <b>Commercial or Government Owned:</b> CO  <b>Media Scale:</b> Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation  <b>Application Environment:</b> Operational	<b>Training Type it Supports:</b> Drills, TTX, FE, FSE, Distributed/Collaborative Exercise, National Training Exercise  <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Government Administration, Health Care, HazMat, Public Health, Public Safety Communications, Public Works, Transportation  <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> "First responders, medical teams, and emergency management agencies can use the Emergency Management Software System to share information; assist and track victims, patients, and families; and have up-to-date information for other agencies and the public." This tool can serve as a real-time central repository and case management suite for persons needing to 1) track those affected by any incident requiring treatment and/or assistance; 2) communicate internally and externally about cases; and 3) coordinate with other providers the status of the case and/or actions including requests for inputs into the system. All this information is stored in a central database with time and user stamps identifying inputs/actions and made searchable.  <b>Advantageous MS&amp;G Features:</b> Requires Active Decision Making; Automated Recording of Learner Unit Information Sharing; Enhanced Communication T&E; Hospital T&E; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 6  <b>Date evaluated:</b> December 15, 2003	

<b>Product Name:</b> Xybernaut Mobile Solutions	
<b>Company:</b> Xybernaut Corporation 12701 Fair Lakes Circle, Suite 550 Fairfax, VA 22033 <b>Web site:</b> <a href="http://www.xybernaut.com">http://www.xybernaut.com</a>	<b>Contact Info:</b> Ed Newman Tel.: 703-631-6925 Email: <a href="mailto:enewman@xybernaut.com">enewman@xybernaut.com</a>
<b>Key Product Attributes:</b>	
<b>Product Type:</b> Operational System (Virtual Collaborative Environment) <b>Commercial or Government Owned:</b> CO <b>Media Scale:</b> Group, Small Multi-User Team, Large Multi-User Team, Multi-Agency Participation <b>Application Environment:</b> Training, Exercise, Operational	<b>Training Type it Supports:</b> Equipment Training, Part-Task Training, Drills, FE, FSE, Distributed/Collaborative Exercise <b>Functional Area(s) it Supports:</b> EMS, EMA, Fire, Health Care, HazMat, Law Enforcement, Public Safety Communications, Public Works, Transportation, Private Sector <b>Primary Target Audience:</b> First Responders, Commanders, Local Officials, State Officials, Federal Officials
<b>Product Description:</b> Xybernaut Mobile Solutions—the MA-V and the Atigo-M, and Atigo-T—are mobile, handheld/wearable computers with embedded operating systems (CE.net and XP) that enable wireless data interoperability with audio/video interoperability. Includes multiple touch, voice, and body activated controls and is used by DoD, state, and international agencies for emergency incident response; distributed training; distributed data communications/document management; field inspections; mobile first responder; and war fighter emergency alert, maintenance, care, communications, tracking, and evaluation activities. <b>Advantageous MS&amp;G Features:</b> Requires Active User Decision Making; Automatic Recording of Learner Unit Information Sharing; Remote Observation; Enhanced Communication T&E; Hospital T&E; Part-Task Training; Distributed/Collaborative Decision Making Environment	
<b>Version:</b> 5 MA, Atigo M, Atigo T. <b>Date evaluated:</b> December 19, 2003	

## GLOSSARY

Term	Definition
Alternative values	The different levels of an instructional strategy attribute, relevant to T&E requirements, and media evaluation. For example, the alternative values for the Student Unit attribute are individual, group, and team.
Asynchronous	Collaborations occur over an elapsed period of time and do not require users to be present in the virtual environment at the same time.
Attributes	Characteristics of the instructional strategy, including qualities and quantities.
Audit plans/procedures	A methodical examination and review of plans, processes, and procedures.
Behavioral item	See Responder behavioral item.
Best practices	Those strategies, activities, or approaches that have been shown to be effective for training or exercising response to WMD. At this time, best practices are based on qualitative data.
Decision support tool	A software program incorporating structured decision-making processes to ensure that important decisions are made on time and are based on facts, research, and analysis.
Delivery mechanisms	Mechanisms and techniques by which training is delivered, including media, products, and simulations.
Discipline	Organizations and personnel actively engaged in preventing, detecting, and responding to a potential WMD incident by professional background such as law enforcement, fire, emergency management, and emergency medical personnel.
Distributed collaborative environment	Software that enables multiple users to electronically interact with each other from different geographical locations, either in real time (synchronously comprising of collaboration that extends beyond a LAN) or at different times (asynchronously). Interactions can vary from real-time video conferencing to email to file sharing.
Evaluation	A systematic method for gathering information about the impact and effectiveness of an intervention where results are used to improve the intervention, determine whether the learning objectives have been achieved, and assess its value to the organization.
Exercise scenario	The synopsis of a possible series of events used during an exercise to make it more realistic.
Facilitator	The moderator of an exercise or training.
Full scale exercise	An exercise employing a city's actual response elements: equipment, personnel, and other resources are mobilized. EOCs and command posts are activated, first responders attend to people simulating the effects of a chemical weapons attack, decontamination and hazardous materials procedures unfold, and often area hospitals are included in the response.

Functional exercise	An exercise that simulates the reality of operations in a functional area by presenting complex and realistic problems in a highly stressful environment, requiring participants to quickly generate rapid and effective responses. Designed to test and evaluate capabilities such as plans, policies, and procedures.
Game	A competitive environment where individuals or teams of individuals play against each other or against a computer in pursuit of a goal following a set of rules. Games generally have winners and losers and good games offer clear objectives about what it takes to win.
Geo-plot	A geographic-situation display, presented in graphical form, containing representations of terrain, roads, waterways, and other geographical features. A bird's-eye view of a geographical area is an example.
Heuristics	Exploratory problem-solving techniques that utilize self-educating techniques (as the evaluation of feedback) to improve performance.
Immersive simulation	The student or user is given the impression of actually being in the simulation.
Immersive training	Training that plunges the student into learning something by doing it either in a real situation or a simulated situation.
Input characteristics	Student/participant entry skills and knowledge.
Instructional strategy	The particular set of training methods used to achieve the desired training outcome and achieve the training objectives. Same as training strategy.
Instructional strategy class	A macro-level strategy for achieving training/exercising objectives; how to train/exercise.
Knowledge management	The process of capturing, organizing, and storing information and experiences of workers and groups within an organization and making it available to others.
Mapping	Linking of a product to a training and exercise category via common training/exercise strategies.
Macro-level	High-level description or content, as opposed to a more detailed specification description.
Media	A generic term for devices used to train and exercise including simulations, computer-based training courses, games, books, tutorials, video conferencing, Web-based instruction, and MS&G.
Media characteristics	The features of training and exercising media, such as simulation characteristics, media format and context, visual information presentation characteristics, instructor/facilitator aids/tools, audio characteristics, data recording, feedback formats, freeze and fast-forward, instructional branching, advantages and limitations, and other features. Characteristics may also pertain to features such as cost, support staff, etc.
Model	A representation of a real-world effect (e.g., a plume model may show the direction and dispersion of a chemical plume taking into account wind direction and speed); a logical description of how a system performs.

National Exercise	T&E involving national components.
Needs	Something that is needed for a system to function as desired. A training need, for example, would be training system elements, such as curricula or media, that are needed to bridge the gap between the current level of individual/team performance and goal-level of performance.
On-demand training	Training that is available at any time.
Part-task training	Training each part of a complex set of tasks separately rather than training the integrated set of tasks simultaneously.
Physical Fidelity	The degree to which the simulation imitates the visual, auditory, spatial, kinesthetic, and tactile characteristics present in the real world <sup>1</sup> .
Psychological Fidelity	The degree to which the salient cues for performance are present in the model and produce the same psychological, cognitive, and effective responses as are present in the real world <sup>2</sup> .
Pre-training	Training or learning that occurs prior to a training course and allows the student to prepare for subsequent training.
Primary training audience	That part of the training or exercise audience at whom the exercise objectives are focused. They receive the majority of the benefit of training or exercise.
Rating criteria	Standard against which judgments on the applicability, presence, and/or absence of an attribute were made to ensure standard evaluation ratings of products.
Reinforcement training	Training that follows another training or exercise and serves to reinforce the acquired learning.
Requirements	Training and exercise system characteristics necessary to meet ODP's preparedness needs in the area of WMD.
Requirements analysis process	Detailed steps of the analysis to be performed under the requirements analysis structure.
Requirements analysis structure	Overall approach to determining the requirements.
Requirements management	Process of identifying, organizing, documenting, and tracking the changing requirements of a project.
Requirement view	Within RRP, a database window displaying selected requirements based on a specific query.
Resources	Resources associated with training/exercising, including development and conduct. Resources may include training materials, equipment, staff, facilities, time, and other factors.
Responder and decision-maker data sources	The data sources, including documents and other sources, from which the responder and decision-maker behavioral items were obtained, and

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<sup>1</sup> Department of Defense and Canadian Forces Synthetic Environment Lexicon (draft).

<sup>2</sup> Ibid.



data sources	placed into the set of requirement categories.
Responder behavioral items	The collection of learning objectives, performance objectives, skills, knowledge, and other behavior-related statements indicative of responder and decision-maker training and exercising requirements.
Scheduled training	Training that has been scheduled to occur at a particular time and place.
Secondary training audience	This part of the training audience participates in a training session or exercise, often to provide realism for the primary training audience. Any benefits the secondary training audience receives are serendipitous.

Simulations	The implementation of a model, or set of models, to represent the real world. Simulations test hypotheses and help gain insights into a problem or situation. Simulations are often repeatable to estimate likely outcomes.
Structured feedback	A formal procedure for giving and receiving feedback.
Synchronous	Collaboration that occurs in real time. In a virtual environment, users interact and collaborate in real time.
Synthetic environments	Computer or virtual environments such as models, simulations, or games.
T&E package	Within RRP, a folder organizing requirements and requirement views into related groups.
Tabletop exercise	A facilitated discussion of various issues surrounding response to a hypothetical WMD event. Tabletops typically occur in a classroom setting and involve representatives from emergency response organizations in the local community (fire, police, ambulance service, hospitals, etc.), elected or appointed officials, senior staff of various agencies, and state and federal officials.
Training and exercising requirement categories	The set of categories that contain all of the responder behavioral items, which were extracted from multiple data sources. Each category, which contains a number of behavioral items requiring similar instructional strategies, is defined in terms of major instructional strategy attributes.
Traceability	Illustration of the relationships between requirements of the same or different types.
Training materials	Training materials are often considered a type of training media such as books, data sheets, and information handouts. Materials do not include simulations or computer based training.
Training method	The methods used to conduct training and exercises. Also referred to as training technique.
Training procedures	Procedures associated with implementing training methods.
Training strategy	The particular set of training methods used to achieve the desired training outcome and achieve the training objectives. Same as instructional strategy.
Training technique	The methods used to conduct training and exercises. Also referred to as Training Method.
Tool	An artifact used to perform a particular function to aid training/exercise or provide training/exercise itself. Used interchangeably with the term product in this report.
Whole-task training	Training a complex set of tasks as a whole rather than training each separately.

#### WMD competency levels

The formal levels of competency traditionally associated with WMD training. They consist of: 1) Awareness; 2) Performance (sometimes referred to as Performance-A); 3) Technician (sometimes referred to as Performance-B, or Specialty); and 4) Planning and Command (sometimes these are separated).

## ABBREVIATIONS AND ACRONYMS

2-D	Two-dimensional
3-D	Three-dimensional
A5	Angel Five
AAR	After Action Review
ADASHI	Automated Decision Aid System for Hazardous Incidents
ADFR	ADASHI First Response Automated Decision Aid System for Hazardous Incidents
ADM1	ADMS-1
ADMT	ADMS-Team
ADMV	ADMS-VR
ADPR	ADASHI Professional Automated Decision Aid System for Hazardous Incidents
AEAS	Automated Exercise and Assessment System (AEAS)
ALO	Area Locations of Hazardous Atmospheres (ALOHA)
ATS	Abbottville Tabletop Simulation
BRDG	Bridgeworks
BSMR	BioSimMER
BTC	Bt Create
BWRT	Biological Weapons Response Template
C2	Command and Control
CAMO	Computer-Aided Management of Emergency Operations System (CAMEO)
CAP	Corrective Action Plan
CATS-JACE	Consequences Assessment Tool Set - Joint Assessment of Catastrophic Events
CBRA	Chemical & Biological Response Aid (CoBRA)

CBRNE	Chemical, Biological, Radiological, Nuclear, Explosive
CBT	Computer Based Training
CD	Compact Disc
CD-ROM	Compact Disc-Read Only Memory
CERRTS	Civil Emergency Reaction and Responder Training System
CGI	Computer Generated Imagery
CGF	Computer Generated Forces
CJJC	Consequences Assessment Tool Set - Joint Assessment of Catastrophic Events (CATS-JACE)
CMS	Crisis Management Simulator Modeling Analysis Package CMSM Chemical Agent Monitor Simulator (CAMSIM)
COR	Competency Observation Recording & Evaluation (CORE)
COTS	Commercial off-the-shelf
CRI	CRISIS
CRTS	Civil Emergency Reaction and Responder Training System (CERRTS)
CSB	Citizen's SMART Book
DHS	Department of Homeland Security
DMS	Decision Making Skills for Public Officials During a Hazardous Materials Incident
DoD	Department of Defense
DOE	Department of Energy
DOJ	Department of Justice
DP	Domestic Preparedness
DPC	Domestic Preparedness Community
DSS	Decision Support System
DTRA	Defense Threat Reduction Agency

EAV	Employee Awareness Video
EFL	Emergency Fighters for Life
EGLD	Eagle Defender
EM2K	EM/2000 Emergency Management Software
EMA	Emergency Management Agency
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EMS	EMS Simulator
EPI	Emergency Preparedness Incident Command Simulation
ERSM	Emergency Response Synchronization Matrix
ERTB	Emergency Response to Terrorism: Basic Concepts
ERUM	eRoom
ESP	Emergency Simulation Program
ETM	E Team
F2F	Face-to-face
FD	Fire Department
FE	Functional Exercise
FEMA	Federal Emergency Management Agency
FMIS	FEMIS / EMAdvantage
FORT	Force Protection Operational Requirements Testbed
FRST	First Responders Situational Awareness Tool
FRST	First Responders Situational Awareness Tool (FiRST)
FS2	Fire Studio 2.0
FSC	Full Spectrum Command
FSE	Full Scale Exercise
GA	Government Administrator

GAMMA-EC	Gaming and Multimedia Applications for Environmental Crisis Management Training
GEC	Gaming and Multimedia Applications for Environmental Crisis Mgt. Training (GAMMA-EC)
GF	Guard Force
GIS	Geographic Information System
GOTS	Government off-the-shelf
GPRA	Government Performance and Results Act
GPS	Global Positioning System
GRV	Groove
GSUT	Guardian Suite
GUI	Graphic User Interface
HazMat	Hazardous Materials
HC	Health Care
HITL	Human-in-the-Loop
HLA	High Level Architecture
HPAC	Hazard Prediction and Assessment Capability
HPS	Human Patient Simulator
HRAM	HLS RAM (Response Action Model)
HYP	Hybrid Particle and Concentration Transport Model (HYPACT)
HYPACT	Hybrid Particle And Concentration Transport Model
ICS	Incident Command System
IEEE	Institute of Electrical and Electronics Engineers
ISD	Instructional Systems Development
JANS	JANUS (Natl. Guard Version)
JCAT	Joint Conflict and Tactical Simulation (JCATS)
JDPS	Joint Integrated Database Prep System (JIDPS)

JTLS	Joint Theater Level Simulation
KSA	Knowledge, Skills, Abilities
LAN	Local Area Network
LE	Law Enforcement
LLV	LifeLine Videos
MIDA	Meteorological Information and Dispersion Assessment System - Anti-Terrorism (MIDAS-AT)
MIDAS-AT	Meteorological Information and Dispersion Assessment System - Anti-Terrorism
MIND	MIND
MINV	Minerva
MLD	Multi-Layer Decision Simulation - school violence
MMTE	Mass-Casualty Medical Training and Evaluation (MMT&E)
MRPL	Mapping Applications for Response, Planning and Local Operation Tasks (MARPLOT)
MS&G	Models, Simulations, and Games
N/A	Not Applicable
NBC	NBC/CTS 2002
NEMA	National Emergency Management Association
NLD	Nunn-Lugar-Domenici
NSN	National Security Network
NIMA	National Imagery and Mapping Agency
ODP	Office for Domestic Preparedness
OPSC	OpsCenter
PC	Personal Computer
PEGM	PEGEM
PH	Public Health



PIRF	Post-Incident Review for Emergency Command Training (PIRFECT)
PIS	Pollution Incident Simulation, Control, and Evaluation System
PPE	Personal Protective Equipment
PSC	Public Safety Communications
PW	Public Works
PWRS	PowerStripes
QUIC	Quick Urban and Industrial Complex Dispersion Modeling System
R6	Rainbow 6
RAM	RAMSAFE
RAMS	Regional Atmospheric Modeling System
RIFS	Response Information Folder System
RRP	Rational Requisite Pro
RSTO	RestOps Simulation (RBITS)
S3	S3-Exercise
SBCCOM	U.S. Army Soldier and Biological Chemical Command
SCRB	ScribeVision
SEAS	SEAS/Homeland Security Simulation
SERS	Security and Emergency Response Information System (SERIS)
SLRY	San Louis Rey
SME	Subject Matter Expert
SMFX	SIMfX
SOFR	SoftRisk
SOP	Standard Operating Procedure
SPCM	SPECTRUM

STC	STAT Care
SVZC	SimViz 3400ICS - Custom
SVZS	SimViz 3400ICS - Standard
SVZT	SimViz 3400ICS - Tailored
T&E	Training and Exercise
TEMA	Tennessee Emergency Management (TEMA) Weapons of Mass Destruction Computer-Based Training CD-ROM
TLI	ThoughtLink, Inc.
TOPOFF	Top Officials Exercise
TTR	TUTOR
TTX	Table Top Exercise
VCIT	Virtual Cities
VCLC	Virtual Clinic
VER	Virtual Emergency Response Training Simulation
VIGI	Vigilant
VTC	Video Teleconference
VTRA	Virtual Terrorism Response Academy
WAN	Wide Area Network
WBA	WMD Basic Awareness Training Interactive CD
WDAC	Weapons of Mass Destruction Decision Analysis Center (WMD-DAC)
WEMS	Worldreach Emergency Management Suite
WEOC	WebEOC
WMD	Weapons of Mass Destruction
WMD-DAC	Weapons of Mass Destruction Decision Analysis Center
WSTL	WisdomTools Scenarios
XYB	Xybernaut Mobile Computing Tools